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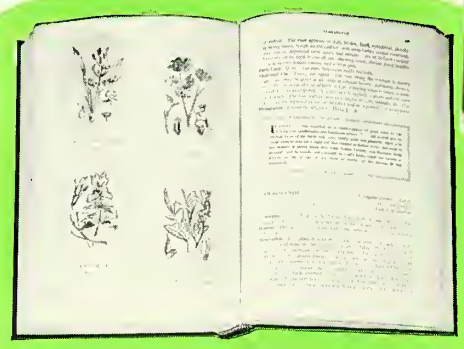

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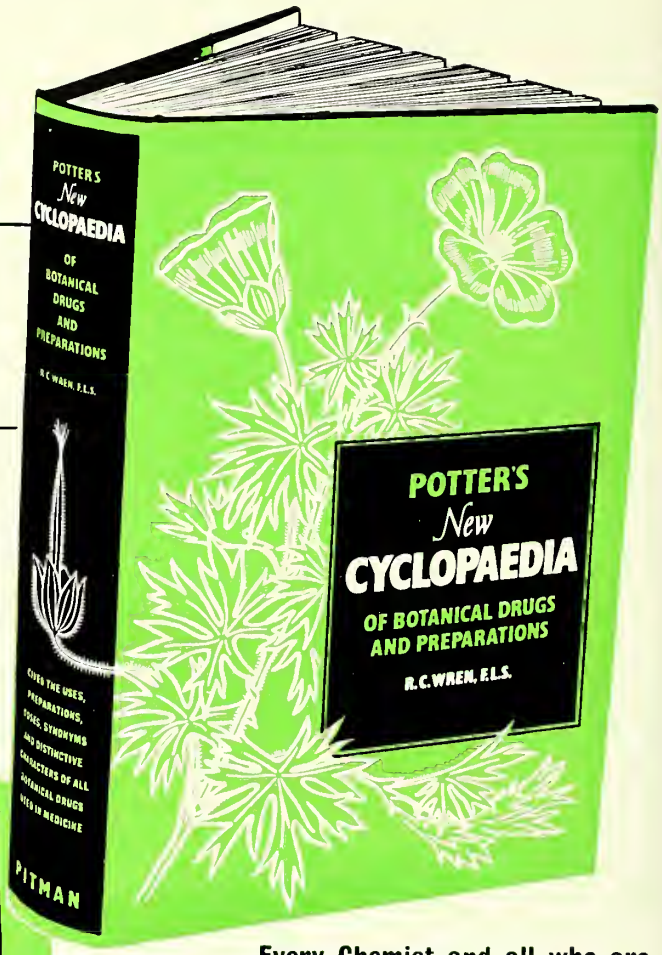

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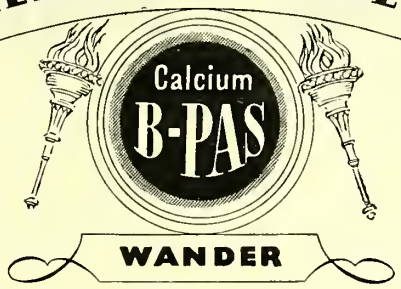

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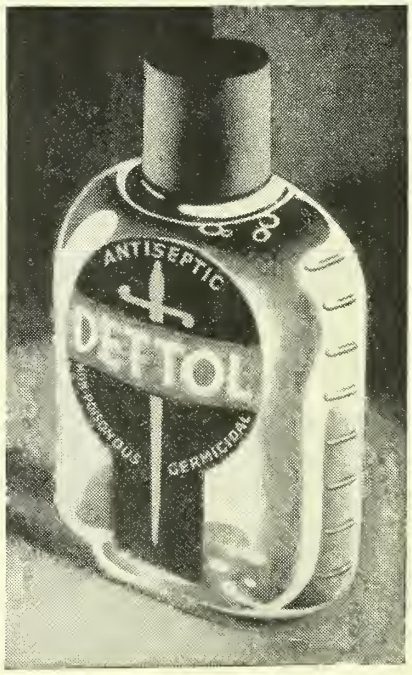

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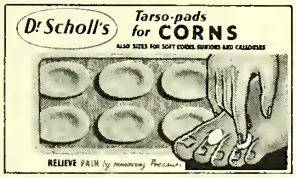

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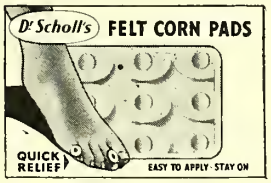

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with new characteristics

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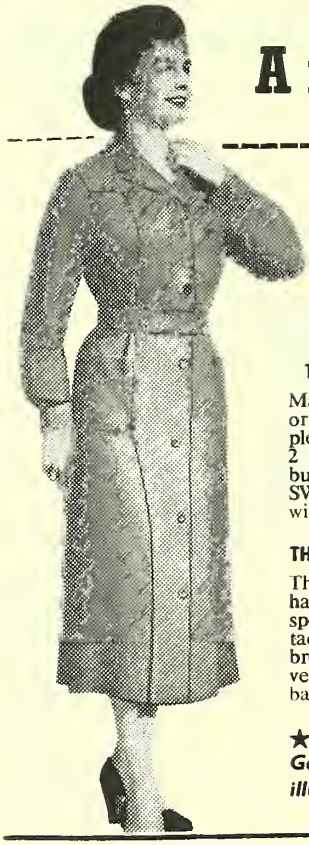

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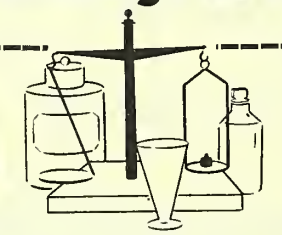

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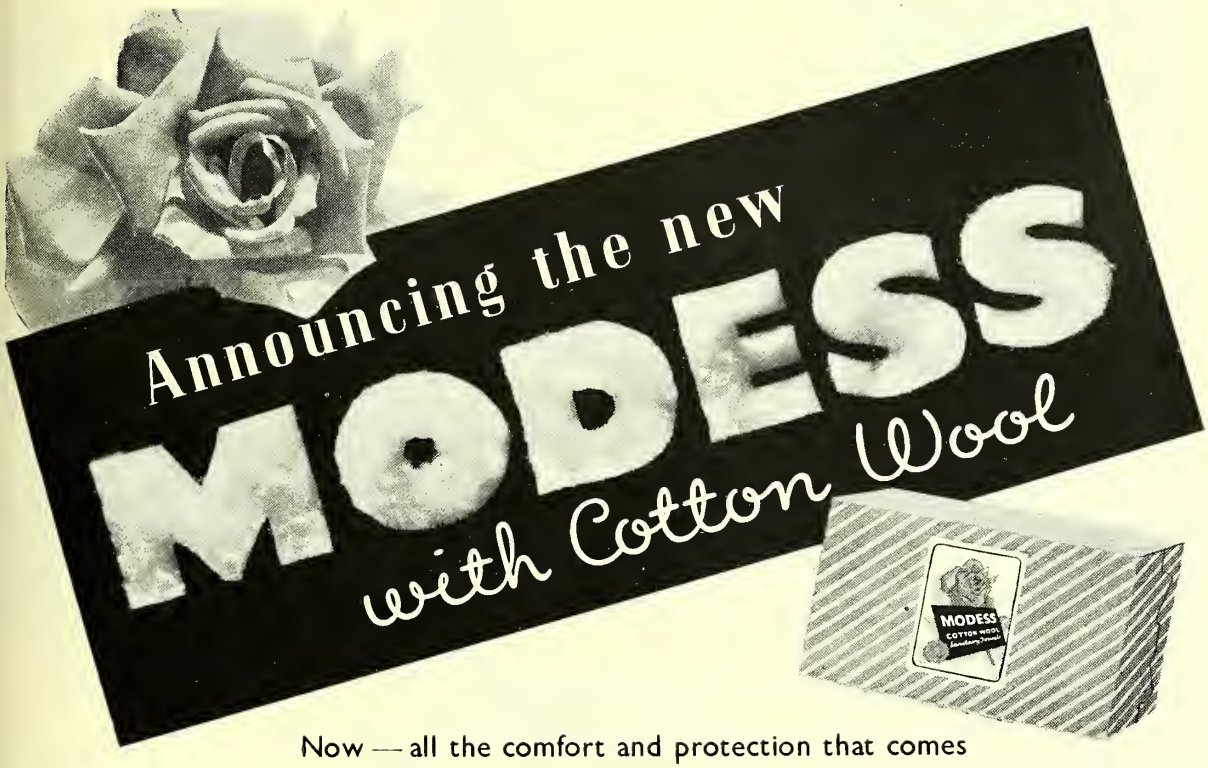

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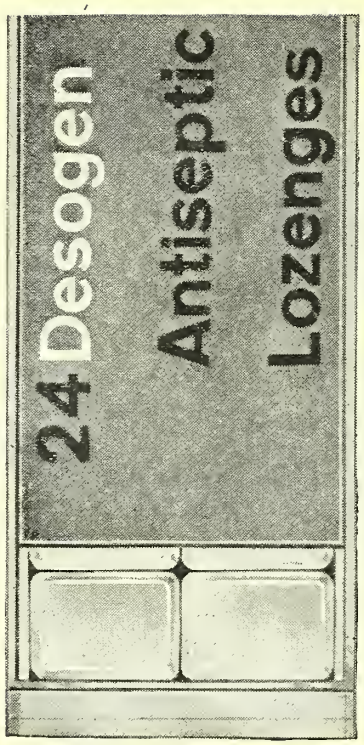

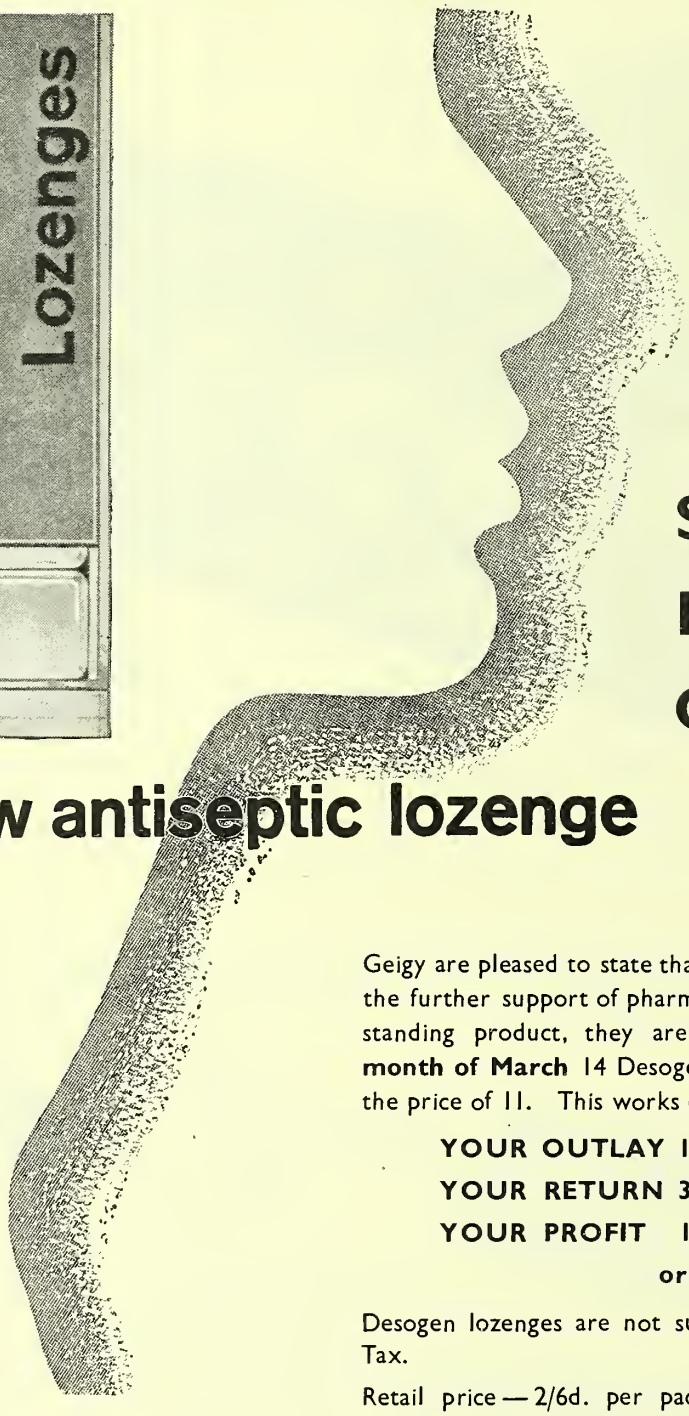

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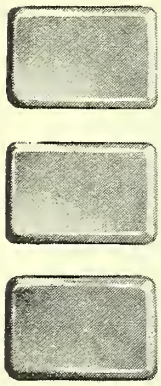

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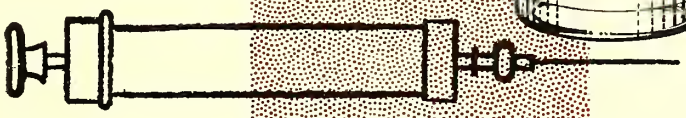

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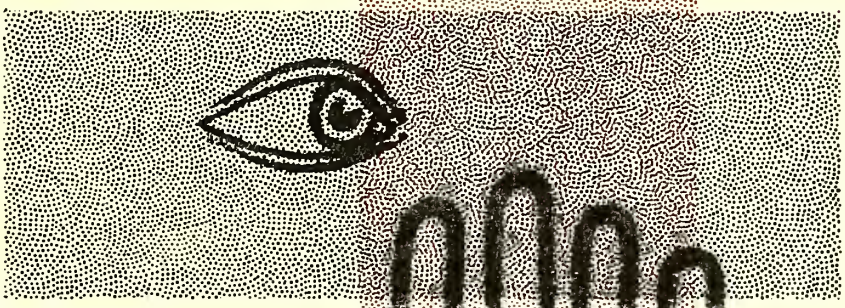

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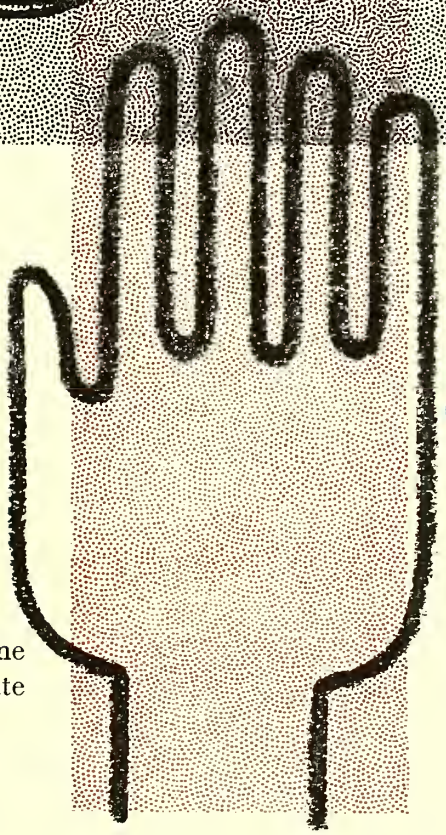

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or with your wholesaler.

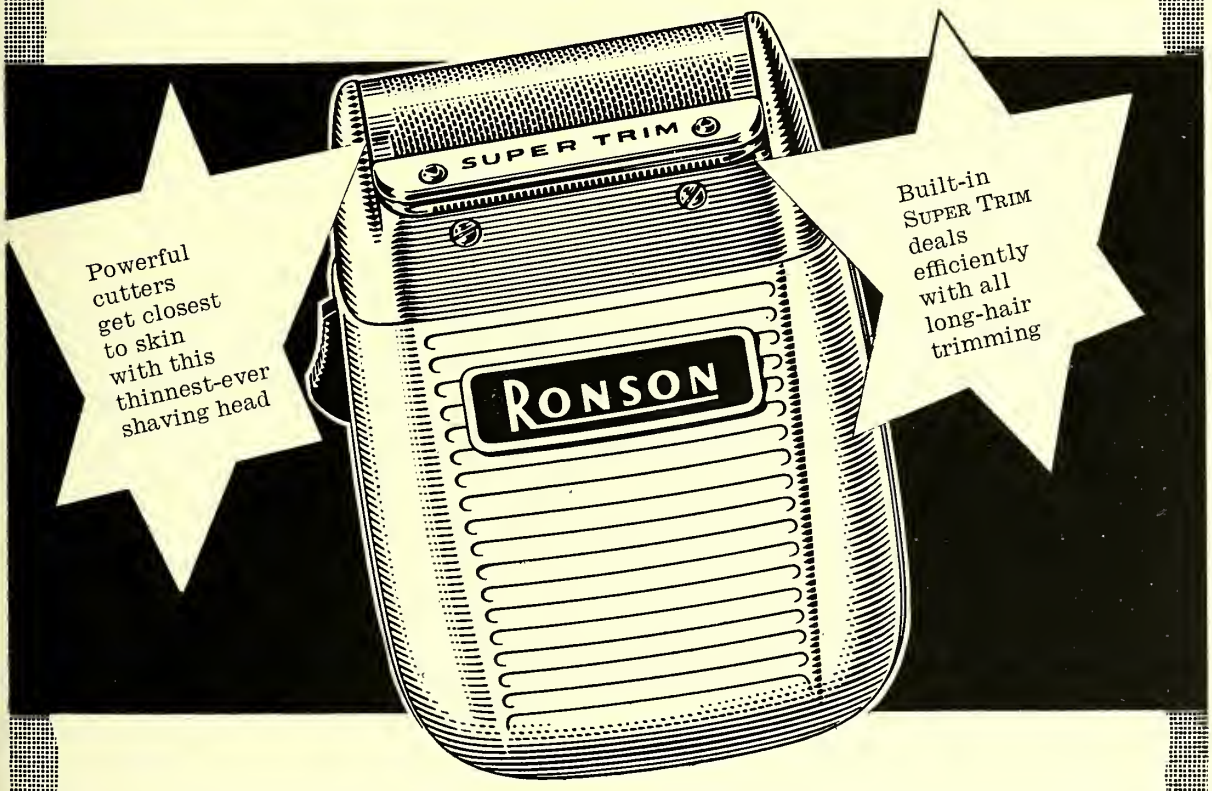
WARD, CASSENNE LIMITED
116 Victoria Street, London, S.W.1

Further details and literature from
the Sole Distributors:

FASSETT & JOHNSON LTD.,
86 Clerkenwell Road, London, E.C.1
Tel: Clerkenwell 2336 and at
139 Bath Street, Glasgow, C.2
Tel: Douglas 7757

New ... sensational RONSON with SUPER TRIM

gives closest shave and a complete trim



What a selling story to push your Ronson sales higher than ever this year! And Ronson are putting a tremendous weight of advertising behind it too.

In the press. Big spaces in the national daily press and monthly magazines.

On TV. Ronson will create enormous impact on Commercial TV.

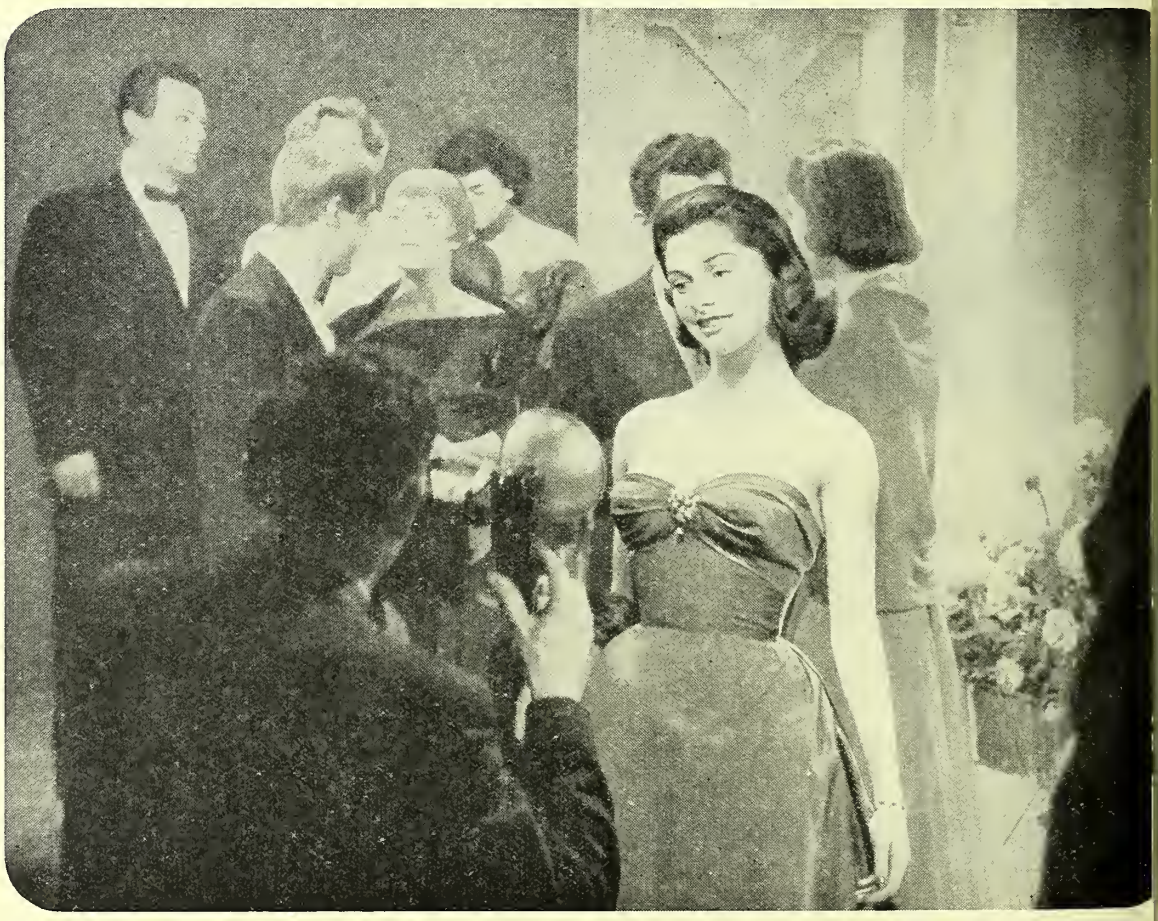
And striking new display material will bring people *into* your shop.

The Ronson Electric Shaver with Super Trim will be sold in presentation case retailing at £8.17.6 and in the Trip Kit retailing at £10.17.6.

RONSON PRODUCTS LIMITED · LEATHERHEAD · SURREY · TEL.: LEATHERHEAD 4444

Goya BEAUTY PUFF

Nearly 8 million viewers will see Beauty Puff TV. For the fi time ever, Goya Beauty Puff will appear on all three Commercial Televisi stations. Watch out for *March 9th*, the opening night, when Maureen Swans will tell women about Beauty Puff's wonderful qualities. Watch out too, many more of these delightful 30 and 15 second TV spots. They have be designed to put Beauty Puff in the limelight . . . to help you sell more a more and more.



. . starred for success

2,000,000 women readers will also see her

Lovely Maureen Swanson, famous star of the Rank Organisation, is the major attraction in Goya's magnificent new Beauty Puff campaign. Throughout the Spring and Summer, striking full colour pages will appear in all the leading Women's magazines, telling women everywhere about this fabulous new cosmetic . . tempting them to buy more Beauty Puff from you . . . starring its success.

Displays make sales! What women see on Television at night they buy tomorrow. Make sure that your displays show that *you* have Beauty Puff—the new cosmetic used and loved by the stars.

* * *

THESE ARE THE STARTING DATES OF THE EXCITING GOYA BEAUTY PUFF TV CAMPAIGN

LONDON: nearly 3 million viewers

Saturday March 9th	6.30—7 p.m.
Sunday March 10th	8.30 p.m. (approx.)
Monday March 11th	9.35—10.05 p.m.
Saturday March 23rd	6.30—7 p.m.
Sunday March 24th	8.30 p.m. (approx.)
Monday March 25th	9.35—10.05 p.m.
Saturday April 6th	7—7.30 p.m.
Sunday April 7th	8.30 p.m. (approx.)
Monday April 8th	9.35—10.05 p.m.

MIDLANDS: nearly 2 million viewers

Saturday March 9th	7—7.30 p.m.
Sunday March 10th	9 p.m. (approx.)
Monday March 11th	10—10.15 p.m.
Saturday March 23rd	7—7.30 p.m.
Sunday March 24th	9 p.m. (approx.)
Monday March 25th	10—10.15 p.m.
Saturday April 6th	7—7.30 p.m.
Sunday April 7th	9 p.m. (approx.)
Monday April 8th	8.30—9 p.m.

NORTH: 2½ million viewers (Yorks. & Lancs.)

Saturday March 9th	7—7.30 p.m.
Sunday March 10th	9 p.m. (approx.)
Monday March 11th	7.25—10.05 p.m.
Saturday March 23rd	7—7.30 p.m.
Sunday March 24th	9 p.m. (approx.)
Monday March 25th	7.25—10.05 p.m.
Saturday April 6th	7—7.30 p.m.
Sunday April 7th	9 p.m. (approx.)
Monday April 8th	7.25—10.05 p.m.

right thru '57...

New Spring Releases-here they are!

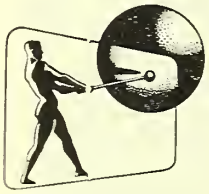
"INDIAN WHOOPPEE" (P.4255)
"THE GREAT MAGICIAN" (P.4253)
(Woody Woodpecker Cartoons)
"THE HARLEM GLOBETROTTERS" (P.4250)
"INDIAN RAIDERS" (P.4251)
"WHO'S NEW AT THE ZOO" (P.4248)
"A DOG-GONE STORY (or the Tale of a Runaway Hound)" (P.4249)
And the new Lotte Reiniger silhouette fantasies:
"SLEEPING BEAUTY" (P.5175)
"SNOW WHITE AND ROSE RED" (P.5181)
"PUSS IN BOOTS" (P.5182)

See the "Stop Press Movie-pak News" for full details of these sparkling new films. And don't forget the Walt Disney colour cartoons—in their gay new boxes, they'll brighten your counter and window displays.

Last year's record sales of 16mm. and 8mm. film projectors mean *this year's* record MOVIE-PAK sales. There's an ever increasing number of NEW home cine enthusiasts eagerly looking around for films to show, and the response to our 1956 press advertising proved conclusively that the films they want are—MOVIE-PAKS. *This year* to boost these sales still further we're advertising *nine brand new Spring releases* in the Cine press. These advertisements will be seen by over half a million readers . . . *and these readers are your customers!* Make sure of *your* share of the rising all-year sales by displaying Movie-paks in your windows and on your counters. And make sure too that your stocks of Movie-paks are always kept up to meet your customers' needs *right through 1957.*

Movie-paks

G.B. FILM LIBRARY



Proprietors:
RANK PRECISION INDUSTRIES (BAF) LTD.
AINTREE ROAD,
PERIVALE, GREENFORD, MIDDLESEX

Post this coupon NOW to

G.B. FILM LIBRARY, Aintree Road, Perivale, Greenford, Middx.

Please send me full details of Movie-Paks. I would like:—

- ☐ Copies of 1956/57 8mm. and 16mm. Catalogue
- ☐ Copies of 1956/57 8mm. Pocket Book
- ☐ Copies of "Stop Press" edition of "Movie-pak News"—containing full details of January, February and March releases
- ☐ Counter dispenser for "Movie-pak News"
- ☐ Woody Woodpecker Box Crowners.

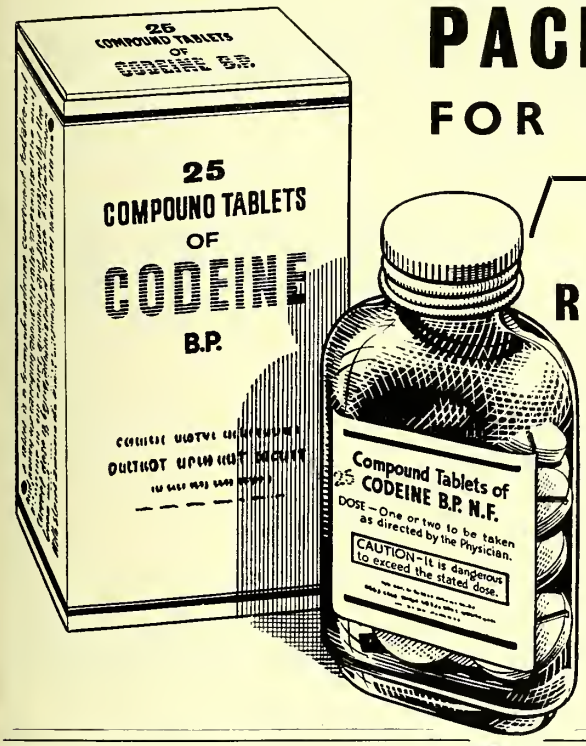
(Please indicate your requirements in squares provided.)

NAME _____

ADDRESS _____

_____ CD/3/57

PACKED TABLETS
FOR COUNTER SALE



Manufactured by

RICHARD DANIEL & SON LTD.

PRICE LIST ON APPLICATION

MANSFIELD ROAD, DERBY

TELEPHONE - - - 40671 (8 LINES)

ALSO AT **ASHTON-UNDER-LYNE**

TELEPHONE 2816 (3 LINES)

NUCTA CREAM SHAMPOO

Delightfully perfumed and with exceptional lathering and cleansing power.

ALSO AVAILABLE WITH EGG AND LEMON IN THE 2OZ. SIZE FOR HOME USE selling at 2/7½
(17/6 per doz. plus tax)

★ **A NEW SMALL SIZE HAS JUST BEEN INTRODUCED, IN AN UNBREAKABLE PLASTIC TUB.**

SELLING AT THE ATTRACTIVE PRICE OF 1/3 AND SUFFICIENT FOR THREE SHAMPOOS
(Packed in boxes of 2 dozen tubs)

Obtainable from your usual wholesaler.

MANUFACTURED BY

STEWART, GOODALL & DUNLOP LTD.

121A PRINCES STREET — EDINBURGH

How does THIS PROFIT look to you?

It's the 'DCL' YEAST TABLETS BONUS OFFER. This is how it works: Order, direct from us, *three or more* 'DCL' Display Cartons as illustrated. They're attractive in themselves and won't take up a lot of room on your counter. Each carton holds either a dozen bottles of 50 tablets or a dozen bottles of 100 tablets, and you can order as you please—either size, or a mixture of the two.

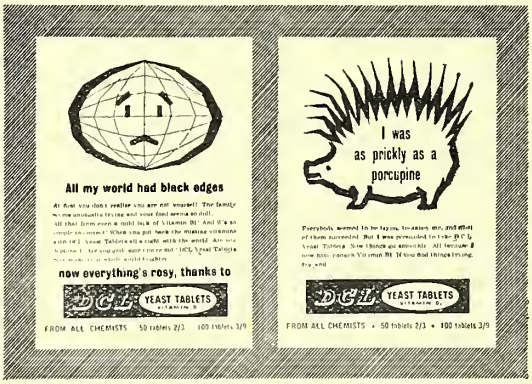
We will invoice the parcel via your wholesaler at the rate of **12 bottles for the cost of 11** and your profit will be:—

1 DOZ. BOTTLES OF 50 *costing* 16/6
selling at 27/-

SHOWING A PROFIT OF 10/6

1 DOZ. BOTTLES OF 100 *costing* 27/6
selling at 45/-

SHOWING A PROFIT OF 17/6



and THIS ADVERTISING IS APPEARING NOW IN WOMAN'S OWN, WOMAN'S WEEKLY, JOHN BULL, TIT-BITS AND ILLUSTRATED—*telling 28,360,000 readers to go to their chemists for 'DCL' Yeast Tablets.*

This eye-catching counter display outer is well worth the little space it occupies on your counter

Take advantage of this opportunity. Send your orders direct to us—*to-day if possible.* We will invoice through your usual wholesaler. This bonus offer covers all orders received between March 1st and April 30th and don't forget—the minimum order is 3 Display Cartons.

THE DISTILLERS COMPANY *(Biochemicals)* LIMITED

BROADWAY HOUSE, THE BROADWAY, WIMBLEDON, S.W.19 Tel: LIBERTY 6600

CPH6/57

Bonus offer

THIS NEW I.C.I. bonus offer applies to all orders for 'Lorexane' Aerosol Insect Spray received before May 1st. Send your order in early and qualify for this extra discount:—

RETAIL PRICE EACH

5 oz. pack	12 oz. pack	20 oz. pack
5/6	**10/6**	**17/6**

TRADE PRICE PER DOZEN

5 oz. pack	12 oz. pack	20 oz. pack
46/2	**88/2**	**147/-**

All orders qualify for 5% extra discount

THE outstanding effectiveness of 'Lorexane' Insect Spray is due to the combined activities of the three powerful insecticides: gamma BHC, pyrethrin and piperonyl butoxide. Together, they make 'Lorexane' Insect Spray a safe but deadly insecticide, lethal to flying insect pests of all kinds, yet harmless to human beings and animals.

A strong advertising campaign in 1957 will help you sell 'Lorexane' Aerosol to more customers than ever before.

ADVERTISING SUPPORT

Frequent advertisements will appear in the following national magazines:—

EVERYBODY'S, JOHN BULL, RADIO TIMES, WOMAN'S OWN, WOMAN'S WEEKLY.

Counter leaflets, showcards and crowners available.

ICI

'LOREXANE'

TRADE MARK

AERosol

INSECT SPRAY

contains Gamma B.H.C.

death to all flying insect pests!

Full schedule of retail prices:
4 oz: 5/-, 5 oz: 5/6, 6 oz: 6/6, 12 oz: 10/6 and 20 oz: 17/6.

IMPERIAL CHEMICAL INDUSTRIES LIMITED
PHARMACEUTICALS DIVISION WILMSLOW, CHESHIRE

Ph. 701/T

ROTOsan

bonuses!

This year the makers of ROTOsan are going all out to make your job as easy (and as profitable) as possible. First there are the **special stocking-up bonuses** that offer the alert retailer really handsome profit margins. Then there are **generous quantity discounts** on the full ROTOsan range. Thirdly, **two new product plusses** will jerk demand higher than it's ever been before. Finally, strong-selling advertisements and **punchy display material** will round-off a really energetic drive to make this a **record** year for ROTOsan.

BONUS PARCEL A

PROFIT 57%

3 doz. ROTOSAN DISCS (retail 1/3) @ 10/- per doz. ...	£1 10 0
1 doz. ROTOSAN JUNIORS (retail 2/6) @ 18/6 per doz. (Plus 2/6 P.T.)	18 6
	£2 8 6
5% BONUS	2 5
	£2 6 1

YOUR PROFIT OVER **57%** ON COST

BONUS PARCEL B

PROFIT 62%

6 doz. ROTOSAN DISCS (retail 1/3) @ 10/- per doz. ...	£3 0 0
7½% BONUS	4 6
	£2 15 6

YOUR PROFIT **62%** ON COST

OFFER EXPIRES APRIL 13th 1957

SPECIAL QUANTITY DISCOUNTS ON FULL RANGE

You can earn *extra* profits throughout the year by taking advantage of ROTOsan quantity discounts. Any assortment of ROTOsan products qualifies for the following discounts:

TRADE VALUE £3 OR OVER—5% DISCOUNT

TRADE VALUE £5 OR OVER—7½% DISCOUNT

ROTOsan TRADE PRICE LIST

	PER DOZ. s. d.	RETAIL s. d.
DISCS	10 0	1 3
JUNIORS	18 6 + 2s. 6d. P.T.	2 6
AUTOMATICS	42 0 + 7s. 9d. P.T.	5 11
SUPERFUME CRYSTALS	16 0	2 0
CHANNEL BLOCKS	12 0	1 6 (per pkt. of 3)

NOTE: *Bonus parcels do not also qualify for Quantity Discounts.*

Product News!

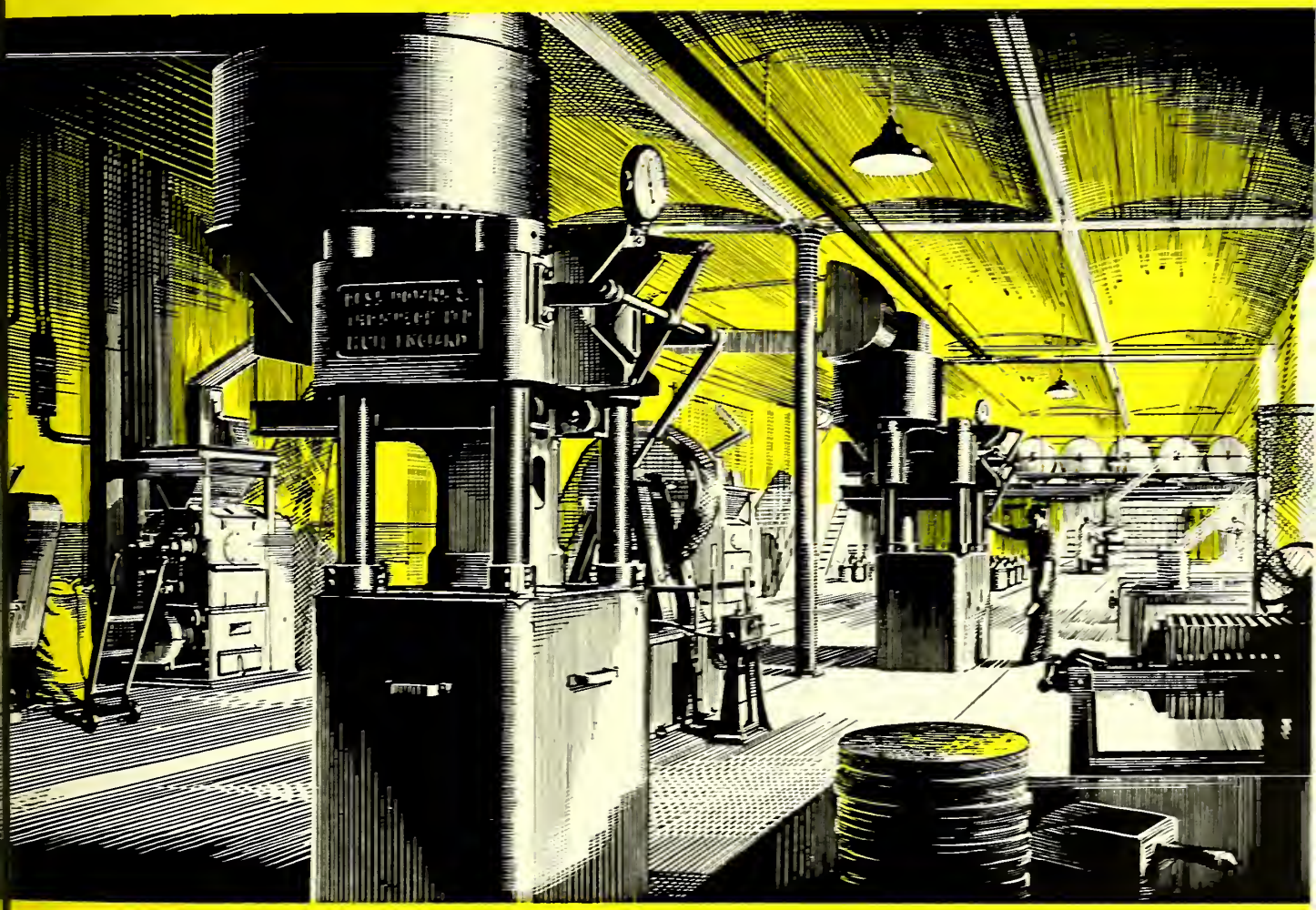
NEW RANGE
ROTOsan discs are now being made in three delicate fragrances —rose, sweet pea and lavender. Make sure you stock all three!

NEW PACK
The JUNIOR plastic holder is now being manufactured with its own stand-up base for use on sill or shelf. Units for wall or window fixing are still available.

NEW DISPLAYS
In addition to the attractive counter dispenser unit, a bright new crowner has been specially produced to fit on the new stand-up holder. Make good use of it!

Manufactured by: W. & F. WALKER LTD., KIRKBY, LIVERPOOL. *Sales Distributors:* CULLINGFORD OF CHELSEA, CHEYNE WALK, LONDON, S.W.10.

NATURAL COLD-PRESSED ALMOND OIL



Almond Oil Presses at Wharf Road

For stability and low acidity there's nothing to touch the natural expressed oils, prepared without chemical treatment, water treatment or heat treatment, in our Wharf Road Works.

This is one of our specialities. We can quote you for genuine Almond or, at a slightly lower rate, for Persic oil expressed from Peach and Apricot Kernels.

NO CHEMICAL TREATMENT
NO WATER TREATMENT
NO HEAT TREATMENT

Unequalled Quality

StaffordAllenS

FFORD ALLEN & SONS LTD., WHARF ROAD, LONDON N.1. *Telephone: CLErkenwell 1000*

TAS/AL 486

an eye for detail

Ransoms are *specialists* in the truest sense of the word . . . specialists not only in the production of vegetable drugs and galenicals, but also in the cultivation on their own farm of numerous medicinal plants. They therefore have a specialist's eye for detail—the all-important details of processing that contribute so much to the quality of the final product. So when next taking delivery of vegetable drugs and galenicals, keep an eye on the container labels — just to make sure you're receiving a Ransom product. It's a detail well worth watching!

EXTRACTS · TINCTURES · ESSENTIAL OILS
RESINS · CHLOROPHYLL
Actual Growers of **BELLADONNA · HENBANE**
FOXGLOVE · PEPPERMINT · LAVENDER

Samples and quotations gladly supplied

WILLIAM RANSOM & SON LTD

Established 1846 *Hitchin · Hertfordshire · England*

A constant reminder of Rendells products, in the window of your pharmacy, will do more than anything to attract new customers and retain old ones. The natural confidence to which Rendells-users become accustomed is thus passed on to the pharmacist and helps to establish that particular and highly desirable understanding between them.

Rendells

EXTRA TV ADVERTISING FOR . . .

Vykmin

ON ALL AVAILABLE TV STATIONS

This additional support will — on the past evidence of the power of television advertising — bring an IMMEDIATE RESPONSE.

INCREASED DEMAND MEANS AN INCREASE IN SALES SO SEE THAT YOUR STOCK IS ADEQUATE.

DON'T DELAY—

ORDER ADDITIONAL STOCKS OF VYKMIN—*NOW*

Attractive Carton crowners available. These crowners will enable you to show your customers that you are stocking VYKMIN—AS RECOMMENDED ON TELEVISION

Ask our representative or write direct to:

SCOTT & BOWNE LTD., 50 UPPER BROOK STREET, LONDON, W.1

TELEPHONE: MAY 4422

I.C.I. don't make houseware but they do make 'Alkathene'

POWERFUL NATIONAL ADVERTISING has made 'Alkathene' a household word. But many people are a bit confused about it. They think that I.C.I. manufacture houseware. Actually, of course, they make the 'Alkathene' from which the best houseware is made.

Advertising in the national press, women's magazines and in the cinema tells your customers that 'Alkathene' is light, bright, long-lasting, easy to clean and practically unbreakable. Each advertisement also carries the famous 'Alkathene' label. As a result of all this, more and more women will be asking for houseware made from 'Alkathene'.

Get your share of this growing market. Check that your stocks are sufficient and tie in with the national campaign.

FREE WINDOW BILLS AND CROWNERS

to link your shop with 'Alkathene' national advertising, are available on application through your usual trade channels or direct to Publicity Dept., Plastics Division, Imperial Chemical Industries Ltd., Black Fan Road, Welwyn Garden City, Herts. Shelf cards can be obtained from individual manufacturers.

'Alkathene' is the registered trade mark for the polythene manufactured by I.C.I.

'ALKATHENE'

SEE OUR STAND AT THE
IDEAL HOME EXHIBITION SHOP NO. 1

IMPERIAL CHEMICAL INDUSTRIES LIMITED · LONDON · S.W.1

ICI

AH. 21/T

Great new Sunfresh (REGD. TRADE MARK) competition

over

£3,000

in prizes

Big national advertising in the Press—and on T.V. too!

Big-space advertising in the national newspapers and frequent commercials on Independent Television will boost the new, nation-wide Sunfresh competition. You'll enjoy it—because you can't lose. The advertising and the prizes are big enough to attract all your customers (more profit to you!)—and there are special prizes for retailers (still more money for you—if you're lucky!)

If they win—you win!

If one of your customers collects 1st prize you get £100. 2nd—you get £25. 3rd—you get £10. And there are 50 consolation prizes of £10 shopping vouchers that can only be spent with Sunfresh stockists.

Stock up now for April 1st.

Competition opens April 1st 1957—closes May 11th 1957.
Every entry form must be accompanied by one of the detachable competition tokens found on every bottle of Sunfresh.
Get your supplies from your usual wholesaler now
or write/telephone O. R. Groves Ltd.,
20 Jermyn Street, London, S.W.1.
Regent 7986/7/8/9 and *6175*

Sunfresh (REGD. TRADE MARK) made from whole oranges

We're telling your customers to look for this marking

Remember **PF** *means* **'PHOTOFLUX'**

Only Philips 'Photoflux' flashbulbs bear a PF marking. These include the 'Capless' type which were invented and developed by Philips. We're reminding your customers of this fact in all our current publicity. It will help to entrench 'Photoflux' 'Capless' even more securely in their position of top-selling flashbulbs. Ensure that your stocks of 'Photoflux' PF.1 and PF.5 are sufficient to meet the ever-increasing demand.

PHOTOFAIR EXHIBITION,
Olympia, 11th – 17th April
We shall be glad to see our trade friends at the 'Photoflux' Stand No. 62.

PHILIPS ELECTRICAL LTD.,
S.L.D. Lighting Division, Century House,
Shaftesbury Ave., London, W.C.2.

"PHOTOLITA" — PHOTOFLOOD LAMPS. DARKROOM SAFELIGHT LAMPS. "PHOTOCRESCENTA" — ENLARGER LAMPS. PROJECTOR LAMPS
(PP2023)

Big Bubbling Profits for YOU!

The 1957 Advertising Campaign for **SORELLA FOAM BATH** starts in March.

OVER 20 MILLION ADVERTISEMENTS WILL APPEAR

in the most popular Women's Magazines during the next few months, a number of which are illustrated, and cannot fail to create a big demand.

CASH IN! Display Sorella Foam Bath prominently on your counter and in the window. Millions of packets are being sold every year and **SORELLA FOAM BATH** becomes more and more popular.

Bubbling BONUS OFFER

Being anxious to have the best possible distribution before the first advertisements appear, we offer you a special bonus of **13 for 12** for all orders placed with us or your Wholesaler **during March.**

Place your order today and derive the benefit from our efforts.

Minimum quantity for direct orders 1-gross.

53/4 per gross

PLUS P.T.

Sorella FOAM BATH

JEAN SORELLE LIMITED · LONDON · N.4

Introducing

'Penavlon' V

Penicillin V tablets

'PENAVLON' V is the I.C.I. trade name for penicillin V, now rapidly becoming established in the field of oral penicillin therapy.

This acid stable form of penicillin is rapidly and efficiently absorbed, giving consistent and reliable blood levels. In these respects it is superior to other oral penicillin preparations, and may be relied upon to replace treatment by injection in a large number of cases.

'Penavlon' V is presented as bisected tablets of the calcium salt of penicillin V, in a strength containing the equivalent of 120 mg. free acid. Packs of 15, 100 and 500.

ICI

Ph. 724 IMPERIAL CHEMICAL INDUSTRIES LIMITED Pharmaceuticals Division Wilmslow Cheshire

RADIAN SOOTHING CREAM

for HAEMORRHOIDS

10% Extra on first order makes total profit 51%

On your *first* order for the 1-oz. Radian Soothing Cream pack you will get an extra 10% discount. Minimum order is ½-doz. only—price per doz. wholesale is 21/- plus purchase tax—retail price including tax 2/11d. *This special offer closes 31st March, 1957.* Send your order now to:

RADIOL CHEMICALS LTD.

78 Upper Richmond Road, London, S.W.15
'Phone: VANdyke 1642 & 2692

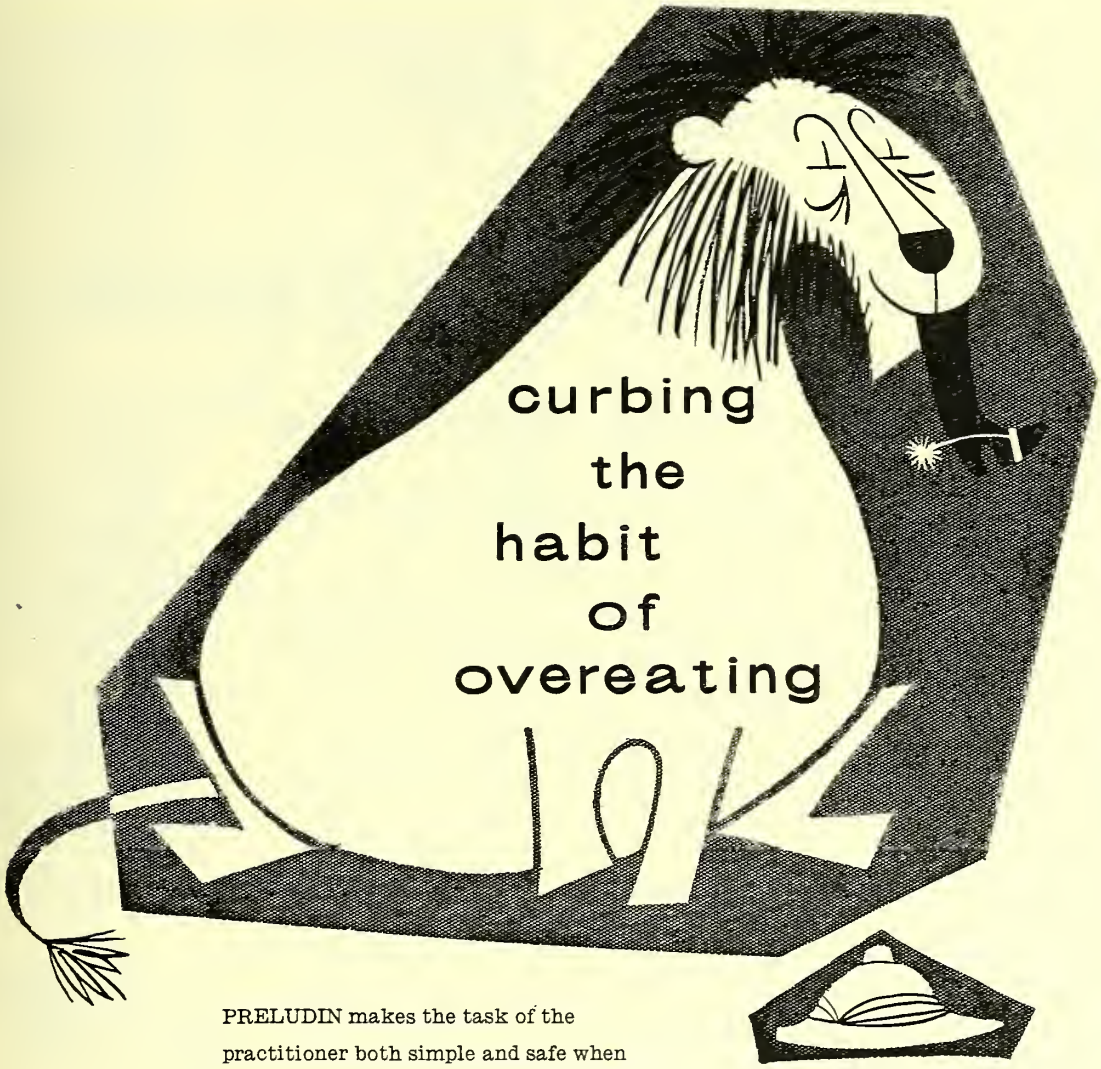
If you wish your order to be billed through your usual wholesaler please give their name and address.

RESTRICTIVE TRADE PRACTICES

Radian Soothing Cream, in common with all Radian products, is only supplied on condition that the resale price marked on each pack is maintained.

NOW IN 1oz. TUBE WITH NOZZLE APPLICATOR

Radian Soothing Cream can be confidently recommended to haemorrhoid sufferers. The new 1-oz. tube, complete with nozzle applicator, will replace the present 2-oz. jar—and the attractive display cartons, containing only six tubes, will take up very little space on your counter. The outer, measuring 4¾" x 4½" x 3¼" deep is small, compact and attractively coloured.



PRELUDIN makes the task of the practitioner both simple and safe when dealing with cases of obesity.
PRELUDIN is an appetite controlling agent which rapidly breaks the habit of overeating and enables the patient to adhere to a recommended diet without effort. Because it does not affect the heart or the blood pressure it is particularly suitable in cases of cardiovascular disorders or hypertension.
PRELUDIN is supplied in 25 mg. tablets, in tubes of 20 or bottles of 250.

PRELUDIN*

The appetite controlling agent that does not affect the heart

Brand of 2-phenyl-3-methyl-tetrahydro-1, 4-oxazine-hydrochloride

Manufactured and distributed in England by Pfizer Ltd., Folkestone, Kent, for
C. H. Boehringer Sohn, Ingelheim am Rhein
Registered proprietors of the Trade Mark **Regd. Trade Mark*

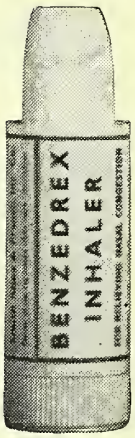
E

order new and better

BENZEDREX INHALER

IN COMPLETE DOZENS

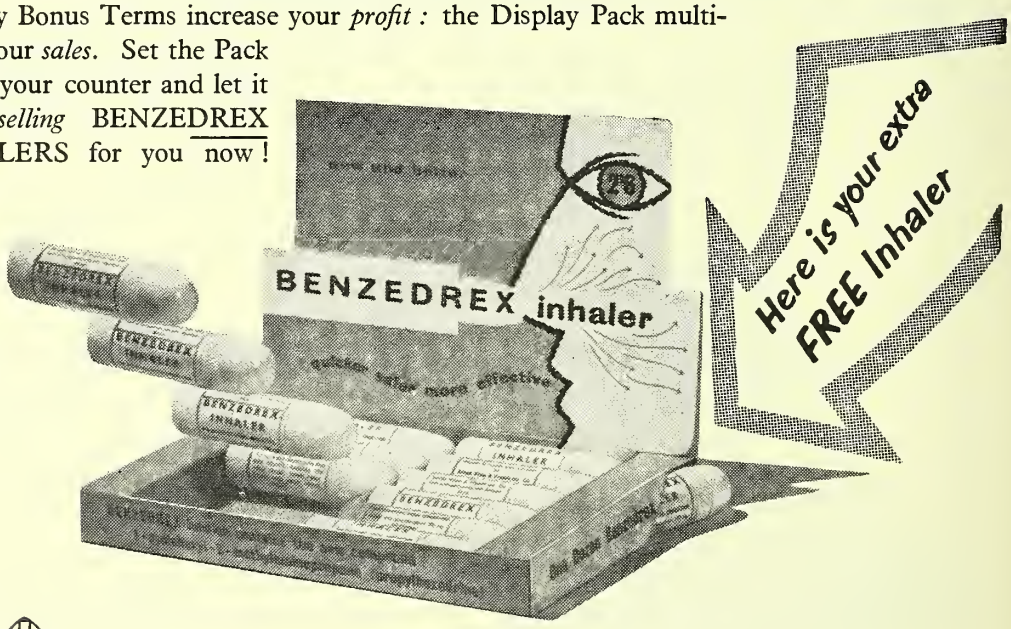
and send your sales and profits soaring!



When you order new and better BENZEDREX INHALER in complete dozens you get your Inhalers packed in the attractive new Display Pack—ready for work as your silent salesman. This hard-hitting point-of-sale display stimulates 'impulse buying' and gives your profits a double boost. Here are two good reasons why:

1. With each Display Pack dozen you get an extra FREE inhaler—thirteen for the price of twelve. Your normal profit margin is increased.
2. You sell more Inhalers than ever before—and each Display Bonus sale brings you the bigger Display Bonus Profit.

Display Bonus Terms increase your *profit*: the Display Pack multiplies your *sales*. Set the Pack up on your counter and let it start *selling* BENZEDREX INHALERS for you now!

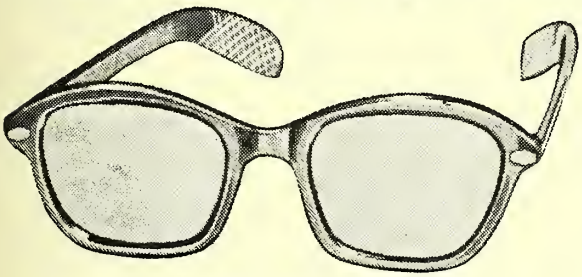


AN SKF PRODUCT

Menley & James, Limited, London S.E.5, for Smith Kline & French

BXT116

the famous
Anti-Glare Spectacles specially designed for **NIGHT DRIVING & TELEVISION**



A HIGH CLASS OPTICAL PRODUCT

Clip-on

The Hinge

"They filter the Glare . . . but don't impair"

The Lens of the "Nighthawk" Night Driving Glasses is a yellow filter glass of the type of the cadmium-sulphide white film glasses with accurately calibrated colour index values.

GLARE Headlamp glare from approaching vehicles is reduced to really a tolerable minimum.

FOG Much sharper definition in foggy or misty weather, at dusk or dawn, and when watching television.

EYE-STRAIN Long hours of driving by night, in misty weather or in snow, no longer cause sore eyes, headache or fatigue.

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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

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Volume 167 March 2, 1957 No. 4019

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The CHEMIST AND DRUGGIST

Volume 167 MARCH 2, 1957 No. 4019

British Approved Names

SUPPLEMENTARY LIST ISSUED

THE following supplementary list of approved names is issued by the British Pharmacopœia Commission: —

Approved Name	Other Names
Anileridine	Ethyl 1 - (2-*p*-aminophenylethyl) - 4 - phenylpiperidine - 4 - carboxylate
Chlorisondamine chloride	4:5:6:7 - Tetrachloro - 2 - (2-dimethylaminoethyl) *iso*-indoline dimethochloride; Ecolid
Crotamiton	Croton - *N* - ethyl - *o* - toluidide; Eurax
Dichlorophen	Di - (5-chloro-2-hydroxyphenyl)methane; Anthiphen
Dioxaphetyl butyrate	Ethyl 4-morpholino-2:2-diphenylbutyrate
Diphemanil methyl sulphate	4 - Diphenylmethylene - 1:1 - dimethylpiperidinium methyl sulphate; Diphenatil
Ethinamate	1 - Ethynyl*cyclo*hexyl carbamate; Valmid; Valmidate
Fludrocortisone	9α - Fluorohydrocortisone; Alflorone; Florinef
Hexetidine	5 - Amino - 1:3 - di - (2 - ethylhexyl)hexahydro - 5 - methylpyrimidine; Sterisil
Hydroxyzine	1 - *p* - Chlorobenzhydryl - 4 - [2-(2-hydroxyethoxy) - ethyl]piperazine; Atarax is the hydrochloride
Morpheridine	Morpholinoethyl*nor*-pethidine
Novobiocin	An antibiotic produced by *Streptomyces niveus* and *Streptomyces spheroides*; Streptonivicin; Albamycin is the calcium salt; Biotexin the sodium salt; and Cathomycin the sodium salt
Oleandomycin	An antibiotic produced by certain strains of *Streptomyces antibioticus*; Matromycin; Romicil
Ostreogrycin	An antibiotic produced by *Streptomyces ostreogriseus*; Ostreocin
Oxeladin	Diethylaminoethoxyethyl α:α - diethylphenyl - acetate; Pectamol is the citrate
Paracetamol	*p* - Acetamidophenol; Panadol
Phenobutiodil	α - (2:4:6-Tri-iodophenoxy)butyric acid; Biliodyl
Phenomorphan	3 - Hydroxy - *N* - (2-phenylethyl)morphinan
Propoxyphene	4 - Dimethylamino - 1:2 - diphenyl-3-methyl-2-propionyl oxybutane
Thenalidine	1 - Methyl - 4 - *N* - (2-thenyl) anilinopiperidine; Sandosten is the tartrate
Thyrotrophin	Thyrotrophic hormone; Thytrophin
Vancomycin	An antibiotic produced by *Streptomyces orientalis*; Vancocin
Warfarin	3 - (2-Acetyl-1-phenylethyl) - 4-hydroxycoumarin; Coumadin

Communications relating to approved names should be sent to the secretary, British Pharmacopœia Commission, General Medical Council Office, 44 Hallam Street, London, W.1.

Money for Cortisone

HOSPITALS ASK FOR MORE

BOURNEMOUTH and East Dorset Hospital Management Committee has asked the Ministry of Health to reconsider an application for £5,000 needed to meet the extra cost of cortisone preparations. The Regional Hospital Board had turned down the request "absolutely." Alderman G. Bravery said that he was surprised that the £5,000 had been refused as the Minister of Health had allowed an additional £1 million in his estimates for the extra cost of drugs. Mr. N. F. Adeney wondered if there were other hospital groups that had been so badly hit by the refusal to approve the cost of supplies.

Histamine Release

UNIVERSITY OF LONDON LECTURE

A SPECIAL University of London lecture in pharmacology on "The Mechanism of Histamine Release" is being given by Dr. Börje Uvnäs (professor of pharmacodynamics and pharmacognosy at the Karolinska Institutet, Stockholm). The chair at the lecture, which will be given at St. Thomas's Hospital Medical School, Albert Embankment, London, S.E.1, at 5.30 p.m., on March 28, is being taken by Professor W. D. M. Paton.

Purchase Tax Returns

RECORD VALUE IN 1956

THE overall yield from purchase tax during the financial year 1955–56 was £418·8 millions compared with the previous record of £341·8 millions in 1954–55. Drugs and medicines yielded £9·4 millions; perfumery, cosmetics and toilet preparations, £24·6 millions and cameras and photographic goods, £4·1 millions. Those statistics are given in the report of the Commissioners of Customs and Excise for the year ended March 31, 1956, published recently by H.M. Stationery Office, price 7s. 6d. The report also shows that the amount of ethyl alcohol exported as medicinal preparations was 309,151 proof gall. and that 20·3 million proof gall. were

SMART AND EFFICIENT: Shopfront recently installed at the pharmacy of C. S. Nash, 190 Stamford Hill, London, N.16, is carried out in black and white Vitrolite except for black ebonised mahogany side door. The block letters on the facia are plastic-fronted, with neon tubes within, showing pink at night. The carboy is in matching pink neon. Doors are of armour-plate glass.

distributed for methylation. The yield of duty from saccharin which, with the increasing availability of sugar, had been declining in recent years, showed an improvement and amounted to £1·2 millions against £0·9 million in 1954–55.

Anatomy in Syllabus

DR. DUNLOP REPEATS HIS PLEA

THE relatively high number of passes in physiology and pharmacology in the examinations held by the Scottish board of examiners of the Pharmaceutical Society during 1956 "gives a deceptively flattering impression of the candidates' performance in that part of the examination." That is stated by Dr. D. M. Dunlop (Privy Council visitor to the examinations) in his recently published report. Dr. Dunlop states that while candidates' answers to conventional text-book questions in elementary physiology and pharmacology were often satisfactory, their performance at the practical and oral part of the examination indicated that their real knowledge of the subject was usually imperfect. "Last year in my report I urged the inclusion in the curriculum of some simple instruction in human anatomy, since it is impossible to appreciate the physiological working of the body without some elementary knowledge of its anatomical construction," he states. "I would like emphatically to reiterate that opinion. No detailed or elaborate course by experts is required: about ten or twelve lectures—such as are given to nurses—illustrated by simple diagrams would suffice, and the time for them might well be found by eliminating from the curriculum some of the more detailed instruction in pharmacognosy."

Medicines in the Home

DOCTOR URGES SAFER STORAGE

TWO near tragedies caused through careless storage of medicine and household fluids are reported by Dr. W. C. V. Brothwood (county medical officer of health for Bedfordshire) in his return of home accident figures for the last four months of 1956. Only prompt action, he says, avoided a fatality when a child of two, who was suffering from whooping cough, drank one-third of her medicine. A baby of eleven months was taken to hospital after drinking turpentine. Dr. Brothwood makes a plea for the storage of medicine in a safe place out of reach of the children—even if the medicine was prescribed for them.

Radiation Therapy

TESTS OF X-RAY ALTERNATIVE

A CLINICAL trial of radioactive caesium as a source for beam therapy is being carried out by the radiotherapy department of the Royal Marsden Hospital at its branch hospital, the Downs Hospital, Sutton, Surrey. That is disclosed in the *British Medical Journal*, February 2. The unit is the second of its kind in the world, the first being at Oak Ridge, Tennessee. Another unit is expected to start work soon at Southampton. The radioactive caesium is a waste product from the Atomic Energy Authority's reactor at Windscale. Radioactive caesium has several advantages over conventional deep *x*-ray therapy. Its great advantage from the point of view of therapy is that it allows the gamma rays which it emits to be concentrated more satisfactorily over the tumour to be irradiated.

Wine Licences

LOCAL APPLICATIONS

WINE off-licences were granted at local licensing sessions recently to the following applicants: *Full*, Mr. W. Massie, M.P.S., 8 Bolling Road, Ben Rhydding, Yorks. *Medicated wines only*, Mr. S. H. Baylis, F.P.S. (for Harold Whaley (Chemists), Ltd.), 7 Sheep Street, Rugby; Mr. W. Hanson, 81 High Street, Newhall, Derbys; Mr. J. Hayhurst, M.P.S., 6 Market Street, Nelson, Lancs; Mr. W. Heap, M.P.S., 48 Manchester Road, Burnley, Lancs; Peterborough Co-operative Chemists. Ltd., Central Square, Stanground, Peterborough, Northants; Mr. W. Saunders, M.P.S., Queens Park Pharmacy, Churchill Drive, Wrexham, Denbighs; Taibach and Port Talbot Co-operative Society, Ltd., 20A Victoria Road, Aberavon, Glam.

The following applications for licences were refused: Mr. A. I. Bender, M.P.S., 51 Grange Park Road, St. Helens, Lancs; Mr. E. B. Holt, M.P.S. (Holts Chemists, Ltd.), 27 Union Street, Oldham, Lancs; Pharmacy department, St. Helens Industrial Co-operative Society, Ltd., 14 Baldwin Street, St. Helens, Lancs.

Export Licensing

CHANGES IN CONTROL FROM MARCH 4

CHANGES in export licensing, transhipment and merchanting transaction controls are being made by Board of Trade Orders which come into operation on March 4. In the main, changes of detail are being made in the list of goods controlled for strategic reasons agreed in consultation with other countries who operate similar controls. The Export of Goods (North Korea) Order, 1950, which prohibits absolutely the export of any goods to North Korea, is being revoked and instead the export of any goods will be prohibited except under licence. Inquiries concerning the Orders and open general licences and applications for licences should be addressed to the Export Licensing Branch, Board of Trade, Atlantic House, Holborn Viaduct, London, E.C.1.

New Wage Claims

DRESSINGS WORKERS CLAIM A RISE

WAGE increases of 12s. 6d. per week are being sought by the Union of Shop, Distributive and Allied Workers, for workers in the surgical dressings industry. Increases are also being claimed for Co-operative pharmacy and optical workers.

Statutory Committee

RESUMED AND NEW INQUIRIES

THE Statutory Committee of the Pharmaceutical Society is meeting at 17 Bloomsbury Square, London, W.C.1, a 2.30 p.m., on March 6, to resume a inquiry concerning a conviction of a member of the Society, adjourned fron March 7, 1956; and to consider informa tion and evidence from which i appears that a member of the Societ has been convicted of offences unde the Pharmacy Acts.

A FESTIVE OCCASION

LONDON CHEMIST GOLFERS

A Splendid Nineteenth

LONDON Chemists' Golfing Society played a splendid nineteenth hole in Hendon on February 12 when they held their annual dinner and dance. Although Dr. G. R. Boyes (a past chairman of the British Pharmaceutical Conference), in proposing "The London Chemists' Golfing Society," confessed to being a non-golfer, his research into the historical background of the game revealed more than a passing interest in an ancient hobby which at one time was forbidden as time-wasting by Royal decree. The nearest association he had had with golf, said Dr. Boyes, was in his apprenticeship days, when he was told that his pill-making more closely resembled the manufacture of golf balls than a pharmaceutical process.

Mr. G. T. Morson (left) who won the Morny prize and Yardley cup, receives his awards from the president (Mr. W. E. Swanston).

Presenting the captain's prize and president's prize and putter to Mr. E. G. Smith, the president (Mr. W. E. Swanston) remarked that it was the first time in the club's history that those two coveted awards had been won by the same person. Club captain, Mr. B. F. Tisdall, paid tribute to those who had helped to make the year such a success and intimated that next year's captain would be Mr. G. H. Young. Other officials present were Messrs. A. S. Jerwood (secretary and treasurer) and E. G. Nice (vice-captain).

The following 1956 season awards were also presented during the evening: J. Allen Price (British and Colonial cup); J. A. Bennett (D. & W. Gibbs prize); W. N. Cockburn (Kerfoot trophy and Thomson cup); H. A. Coward (Aspro rose bowl and jubilee vase); F. de C. Durant (Professor Flint cup); G. H. Hankinson (Harker Stagg prize); E. S. Hole (Butler & Crispe prize); W. S. Hutcheon (Arthur H. Cox prize); H. E. James (Mentholatum prize); W. F. MacIntosh (Sanger cup); C. H. Maile (Leichner cup); G. T. Morson (Morny prize and Yardley cup); E. G. Nice (Hepburn shield and McClure Young prize); V. F. E. Simmons (Burgoyne cup and Johnsons of Hendon prize); B. F. Tisdall (R. J. Reuter (4711) prize).

NEWS IN BRIEF

A THIEF who recently raided the pharmacy of Stanley Bubb, Ltd., 29 Whitley Street, Reading, stole £104.

SIR Norman Kipping (director-general, Federation of British Industries) is visiting India, March 15 to April 3.

GOODS valued at about £10 were stolen recently when thieves smashed a window at the pharmacy of Mr. J. Siroto, M.P.S., 301 Waterloo Road, Manchester, 8.

A BATCH of poliomyelitis vaccine sufficient to inoculate 200,000 children was announced on February 22 to have passed the officially required tests. Later it was withdrawn for the investigation of a discolouration which appeared in the material.

THE funds of the Westminster General Dispensary (see *C. & D.*, February 16, p. 175) are to continue to be administered under the name "The Westminster Charity" after the medical part of the institution has closed.

ORDERS which came into force on March 1 have been made declaring three new herd tuberculosis eradication areas in England and Wales and one new herd tuberculosis eradication area in Scotland.

A LECTURE on "Management Accounting in Retail Pharmacy" is being given by Mr. H. W. Tomski, M.P.S., at the Bonnington hotel, Southampton Row, London, W.C.1, at 8 p.m. on March 14. Admission is free.

MR. R. C. Dickie (chief chemist, Marchon products, Ltd., Whitehaven) has been appointed an additional member of the Standing Technical Committee on Synthetic Detergents (Ministry of Housing and Local Government).

ITEMS for the agenda of the annual meeting of the National Association of Women Pharmacists on April 10 should reach the secretary, Mrs. E. N. J. Jones, 6 Ravenswood Avenue, Rock Ferry, Ches, not later than March 13.

AT Calne, Wilts, the town council is inviting applications for tenancies of new shops being erected on the Broken Cross housing estate. They are offered on fourteen-year leases at £250 a year exclusive, two bedroom flats also being available at extra rent.

SURREY Federation of Women's Institutes on March 25 are discussing a suggestion that doctors and chemists should be asked to put more information, including, where necessary, the words "dangerous to children" and antidotes to poisons, on medicine containers.

THE following officers of the Liverpool Chemists' Golfing Society have been elected for 1957–58:—*Captain*, Mr. Herbert Standish; *Secretary*, Mr. W. G. Taylor, 19 Stonebridge Lane, Liverpool, 11. Mr. Taylor succeeds Mr. C. S. Cullen who has been elected captain of Southport and Ainsdale golf club.

To celebrate their recent success in winning the first prize of £100 in the local Lucozade window-dressing competition, the staff of Boots, Ltd., Wellington, Salop, held a dinner; donated £20 to the company's benevolent fund; enjoyed a pantomime outing to Birmingham; and presented a gift to the area window dresser.

TOPICAL REFLECTIONS

By Xrayser

The Prodigal Philosopher

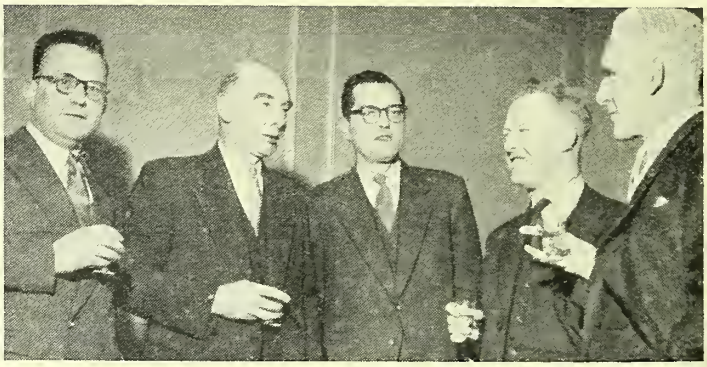
"Matches are very expensive too, nowadays," mused an ancient philosopher to whom I paid a visit recently, "but I still like my pipe and a bit of tobacco." A little jug lay on the hearth with neatly folded spills of multi-coloured paper, and now and again he would lift one, light it at the fire, and apply the flame to the bowl of his pipe. I complimented him on his economy and suggested he must be saving a bit of money by using the paper spills. "Saving money?" he said, "Saving money! I'm spending it, wasting it and burning it! Those spills are worth anything from threepence to sixpence each. And I burn them with the prodigality of a multi-millionaire with pound notes!" Where, I inquired, did he get such valuable material? "Oh, I have them brought to me daily," he replied. But who, I wanted to know, was so considerate? "Usually a young lady," was the answer. We were disturbed by a knock on the door, and I heard my old friend expressing thanks to an unseen caller. He returned with a beaming face and two pieces of coloured paper. "Detergents this time," he announced, "yesterday it was tooth-paste, and the day before beans of some kind. But I don't use detergents, and having no teeth I don't need tooth-paste and I can't eat the beans. But isn't it kind of the young lady to go on bringing me pipe-lighters?"

Transition

Your paragraph on p. 217 ("Onward from Galen") quoting from an article in *Chemical and Engineering News*, makes the suggestion that plant and natural sources of drugs may be unlikely to undergo the revival which had been anticipated. It is true that many substances are being produced synthetically, and it is to be expected that the pure chemist will look to his branch of science to supply an increasing quantity of future requirements. But we are going through a transition stage, and our ultimate destination cannot be seen with any degree of certainty. Despite the advances in chemistry and biochemistry, we learn from the report of the board of examiners in Scotland (p. 205) that there still appears to be a preoccupation with pharmacognosy, and concern is expressed at the weakness exhibited by candidates in those parts of the syllabus dealing with microscopical characters. There is a tendency, also, we learn, for the students to display ignorance concerning the identity of "unorganised" drugs. Though the syllabus has been pruned drastically in recent years in the number of specimens of crude drugs to be studied, the student is required to know more and more about less and less, and it may be that the hook will have to be resharpened and used again. The charge has been levelled against the military experts that they fight wars on the experience of the last one, and are reluctant to cut away the dead wood. How many of our young pharmacists are likely to meet such drugs as krameria, scammony, myrrh and coriander? The syllabus says "Crude drugs in frequent use in pharmacy." They are a dwindling band to which we, near veterans, are sentimentally attached. But sentiment may be thought to be a poor excuse for overloading a syllabus.

Deletion of Items from EC10's

The paragraph on p. 201, and your editorial comment on p. 214, draw attention to one of the many unsatisfactory results of the increased prescription levy. Despite the instruction issued with regard to any item for which a customer wishes to "contract out," I think it is unethical and undignified to enter into any discussion. The dilemma is of the Government's making, and, where a dispensing fee is involved, the transaction is not merely the selling of goods. There are undoubted difficulties with dressings and bandages, but my experience is that the prescriber now makes quite sure that, with lint and wool, a patient gets his money's worth. Half-pound packets of white lint are in much greater demand, and the economy in that direction is, to say the least, illusory. It is entirely wrong to discuss dispensed medicines with customers.



Left: Messrs. E. A. Edwards and F. J. Robinson (president, Irish Drug Association) with Mrs. Robinson and Mr. Leslie D. Smith (president, Proprietary Articles Trade Association). Right: Messrs. W. Kenna, P. F. McGrath (president, Pharmaceutical Society of Ireland), T. J. Banks, John Holland, and Malachi Leonard.

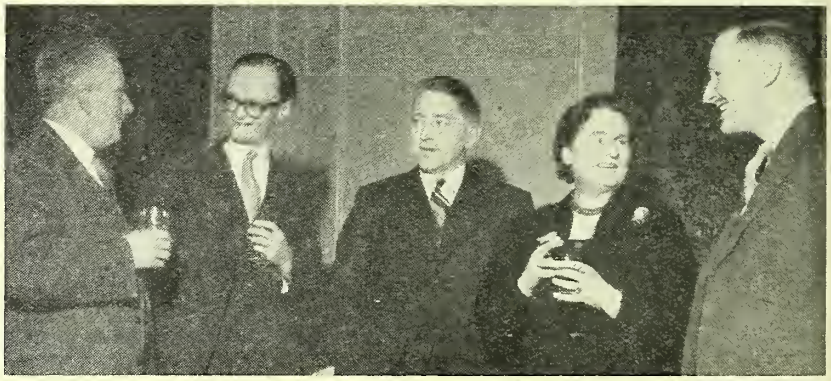
IRISH WHOLESALERS' DINNER

A notable social occasion in Dublin

THE annual dinner of the Wholesale Drug Federation of Ireland was held in Dublin on February 19. It was a notable social occasion attended by many prominent people from the manufacturing, wholesale and retail sides of pharmacy. Presiding was Mr. E. B. Abram (Evans Medical Supplies (Ireland), Ltd.), and among the guests were Mr. P. F. McGrath (president, Pharmaceutical Society of Ireland) and Mr. F. J. Robinson (president, Irish Drug Association). From Britain came Mr. L. D. Smith (president of the Proprietary Articles Trade Association) and Mrs. Smith.

The toast "The Wholesale Drug Federation of Ireland" was proposed by MR. BRENDAN R. SMITH (secretary, Irish Drug Association) who said that the Federation had proved itself a good friend of the retailer. Originally the wholesalers had comprised a section of the Irish Drug Association, and he was happy to think that he had had some part in forming that section. A virile body, the Federation had now almost reached its majority.

Responding, MR. ABRAM said that, if the Federation was to fulfil its function, it needed not only the support of its members, but also of the Irish Drug Association and of the Pharmaceutical Society of Ireland. With that support the Federation should play a worthy part in the future of pharmacy. MR. JOHN HOLLAND proposed the toast to the guests. MR. P. F. MCGRATH, replying, said that the Federation had certainly advanced in years and strength. The Federation's 1956 chairman (Mr. Donal Boyd) was helping to provide post-graduate courses for the Society's members. As chairman of the post-graduate committee, Mr. Boyd had provided a first-class course. The president paid tribute to the way the Federation's members always helped out when funds were being raised for any worthy purpose. In particular he thanked them for the help given in 1956 to the local fund for the British Pharmaceutical Conference. He acknowledged also the wholesalers' support of the Society's Benevolent Fund. Only since he became president had he seen how much the wholesalers contributed to pharmacy.



Mr. D. W. P. Boyd (outgoing chairman of the Federation) with Messrs. E. B. Abram (newly elected chairman) and P. J. Hooper, Mrs. Boyd and Mr. A. G. Brownlee.

MR. F. J. ROBINSON, also responding, was glad to be there with the president of the Society, the two of them representing as they did "the law and the profits." It was a pleasure to acknowledge the cordial relations that always existed between the Irish Drug Association and the Federation, and he had no doubt they would long continue in that manner.

DRUG COSTS IN NORTHERN IRELAND

Concern expressed during debate in Commons

IN the Northern Ireland Commons on February 21, concern at the rising cost of pharmaceutical services was expressed by several speakers in a debate on a supplementary estimate of £533,000 for general health services. The supplementary estimates were approved.

MR. W. W. B. TOPPING (Minister of Home Affairs), who moved the estimates in the absence of Dame Dehra Parker (Minister of Health and Local Government), said that an additional £226,500 was required for pharmaceutical services. Both demand and costs in respect of the services had been steadily increasing. The number of prescription forms for the first half of the present financial year showed a 2 per cent. increase over the corresponding period of 1956 and the cost per form had increased by fivepence to 9s. 4·5d. Those two increases accounted for £207,000 of the total additional cost of those services.

The revised prescription charges which were introduced from January 1 had been taken into account but they would only affect the present year's estimate by about £18,000 because the time lag in pricing prescriptions would not permit full payment in the financial year for the months in which the increased charges were levied.

DR. EILEEN HICKEY said she was shocked at the money now being spent on pharmaceutical services. It already reached more than £2 millions a year which was more than the amount being spent on general medical services.

CAPTAIN O. W. J. HENDERSON referred to a "phenomenal rise" in the cost of pharmaceutical services. There had, he said, been a rise of somewhere between 10 and 12 per cent. in the estimate for those particular services and if that rate continued it would not be long before the cost of pharmaceutical services would outpace all the other services. He felt that a much more serious examination of the question of prescriptions was required. There was a tremendous feeling of concern in the matter and he would not be content to face a rise of 10 or 12 per cent. every year in the cost of the services.

RUTHERFORD HILL CENTENARY

Scottish Department tribute to late secretary

THE centenary of the birth of John Rutherford Hill, who completed fifty years' service as an officer of the Pharmaceutical Society and left a deep mark on the development of the Society's work in Scotland, was celebrated at a meeting of the Scottish Department held in Edinburgh recently.

MR. ERIC KNOTT (secretary, Edinburgh and South-eastern Scottish Branch, Pharmaceutical Society) likened the assembly to a family gathering honouring the memory of John Rutherford Hill. Tracing the early years, Mr. Knott said that although Hill was born in 1857 in Lancashire, his boyhood was spent in the borders and at Lasswade. His schooldays finished, Hill began his five years apprenticeship in 1870 with John Macdonald, Lasswade, and terminated it in November 1875. Macdonald's business, like a few more, combined pharmacy with the function of post office, for Hill frequently reminded his audiences of the fact that his early reading consisted of medical journals of the day which were in transit to doctors of the neighbourhood. Hill moved to Edinburgh, accepting a post with a Mr. Linton of Nicolson Street, as "improver" or unqualified assistant. The move to the city provided Hill with an opportunity to attend classes and further his education. Pharmaceutical educational facilities were on an entirely different standard from present conditions. It was not even essential to attend any classes; the governing factor was possession of the money to pay the examination fee.

DROPPING THE PILOT: The cartoon depicts J. Rutherford Hill descending from his "ship of State" after completing fifty years' service as an officer of the Pharmaceutical Society. The illustration was adapted from the famous cartoon "Dropping the Pilot" which appeared in *Punch* on March 29, 1890.

Part-time Studies

Hill attended classes, in part at the chemical laboratory of the Royal College of Surgeons, where he studied chemistry under McAdam, and at the Royal Dispensary, where he studied materia medica under Nicol. Those studies were undertaken after the day's work had been finished, and, when one considered the shop hours that were usual in the nineteenth century, it was a wonder that anyone qualified. Nevertheless, in October 1878 Hill passed the Minor examination; three years later, in April 1881, John Rutherford Hill passed the Major examination to become a registered pharmaceutical chemist.

Hill widened his outlook in pharmacy by spending some time in Belfast as an assistant in the establishment of Grattan & Co., where he had as colleague another Edinburgh chemist, Jonathan Innes Fraser. On returning to Edinburgh, Hill was employed for a time with J. Falconer King, the Edinburgh analyst, but after a spell of analytical work he returned to his first love, pharmacy, as manager of the business of John Robertson & Co., 24 North-west Circus Place. Two shops in which Hill was employed, namely the one in Newington and the other in North-west Circus Place, are still in existence; at one time the two businesses were owned by brothers.

On December 6, 1877, the chemists' assistants in Edinburgh held a supper at which the chairman was Mr. John R. Young of J. F. Macfarlan & Co. He urged the necessity for the formation of a permanent association. A letter appeared in the Pharmaceutical Society's journal dated December 29, 1877, making a further plea for the formation of a permanent association. That letter was the joint work of John H. Fisher and John R. Hill, both assistants in Edinburgh, and as a result, the Edinburgh Chemists', Assistants' and Apprentices' Association was formed. Hill fostered the Association, and in the second session he opened the debate on "Should Women be Admitted as Members of the Pharmaceutical Society?", giving emphatic approval of admitting women as members. In view of Hill's surviving the charms and wiles of the fair sex so that he remained a confirmed bachelor, that was a remarkably broad-minded view. Hill was elected president of the Association on April 9, 1885. The other officers were: *Vice-president*, J. B. Dunlop; *Secretary*, William Duncan; *Assistant Secretary*, Thomas Stephenson; *Treasurer*, William

L Beaumont; *Prize Committee,* Messrs. Boa, MacEwan and Robertson. Every officer of that session had left his mark on pharmacy; some were still well known in the pharmaceutical world of today.

Hill was manager of John Robertson & Co., when the acting secretary of the Scottish Branch of the Pharmaceutical Society, Mr. Stenhouse, resigned. Hill was an applicant for the post but at a meeting of the Council held in Edinburgh, Peter MacEwan was appointed to the office of assistant secretary. Thereafter Hill was appointed Apothecary and teacher of materia medica at the Royal Dispensary. The school which had flourished under Drs. Duncan and Webster was revitalised and though he had relatively few pharmacy students, his class in materia medica for medical students was very well attended. He was recognised by the University of Edinburgh as an extra-mural teacher whose classes were recognised for the purpose of graduation.

Hill's stay at the Dispensary was comparatively short, for on January 6, 1886, Peter MacEwan, on being appointed to the staff of THE CHEMIST AND DRUGGIST, resigned his position as secretary to the Pharmaceutical Society in Scotland, and at the same meeting at which MacEwan's resignation was accepted Hill was offered the appointment as an assistant secretary to the Pharmaceutical Society to conduct the Society's business in Scotland. Considerable feeling was aroused in Scotland by the appointment. It was not the man who was objected to but the manner in which the appointment was made; the first intimation of the appointment was in the Society's journal dated January 9, 1886.

Tact and Diplomacy

It was under somewhat strained circumstances that John R. Hill took up his duties at 36 York Place in March 1886 and it required all the tact and diplomacy of the new secretary to survive the trying ordeal. He succeeded in retaining the good will of his old friends and securing the co-operation of new ones in his work as an assistant secretary. The position of assistant secretary, in fact the entire "set-up" of pharmaceutical administration in Scotland, was clarified by resolutions passed in Council on November 6, 1886. The "council" was renamed the "North British Executive," the presiding officer being known as the "chairman." Hill was growing in stature, becoming an acknowledged authority on pharmaceutical legal points, and he was frequently consulted by members of the legal fraternity on points of pharmaceutical law. His hand was to be seen in helping to frame the Poisons and Pharmacy Act of 1908. He had previously incurred the displeasure of the Society's Council in submitting a draft Bill to replace the damage caused by a House of Lords decision in 1880, which had practically destroyed the entire legislation of the 1868 Act in so far as bodies corporate were concerned.

He played a leading part in the negotiations preceding the National Health Insurance Act of 1911. He was sufficiently aware of the need for a united front in the fight for recognition in the Bill of the rôle of the pharmacist as the dispenser of the nation's medicines. It was his driving force in Scotland that organised local associations, arranged area meetings and prepared material evidence for deputations which were to wait on Members of Parliament. His appointment as secretary of the Pharmaceutical Standing Committee (Scotland) had the full approval of the Society's Council. Considerable opposition was encountered to the terms offered to chemists under the National Health Insurance Act. Flat rate prices were suggested, but the unfairness of such methods was pointed out and eventually a price list was determined. The National Health Insurance Act had hardly passed its teething troubles when the country was at war with Germany, and further work fell on Hill's shoulders, such as organising the supply of medicines to the dependants of those serving in the armed forces, and attending tribunals and watching so that the man-power of pharmacy was not too severely depleted.

Portrait in Oils

Hill's administrative work, particularly for pharmacy in connection with the work of the Pharmaceutical Standing Committee, was recognised by pharmacists throughout Scotland, and on June 16, 1920, he was entertained to a complimentary dinner, presented with his portrait in oils, a piece of silver and Treasury bonds. Many thought that was the signal for his retiral, but he continued in office as resident secretary in Scotland until 1936, thus completing fifty years' service as an officer of the Pharmaceutical Society. The mantle of Elijah had fallen. A cartoon appeared in THE CHEMIST AND DRUGGIST, after a famous nineteenth-century cartoon in *Punch,* "Dropping the Pilot," depicting Mr. Hill descending from his ship of State (*C. & D.,* June 13, 1936, p. 673). In June 1936 King Edward VIII appointed him an Officer of the Order of the British Empire. That honour was not regarded by Hill as a personal reward, but an honour given through him to members of the pharmaceutical profession.

The chief architect of Scottish pharmacy over the past fifty years had retired, but he was by no means out of the arena. He took up a suburban residence and was still a regular attender at pharmaceutical functions. Hill began an association with the British Pharmaceutical Conference in 1884 when he presented a paper on "The Presence of Copper in some Pharmaceutical Preparations." The association with the Conference was crowned by the Executive of the British Pharmaceutical Conference nominating him as chairman, a nomination which was carried with acclamation at the election, of the British Pharmaceutical Conference meeting of 1938. Hill greatly appreciated that honour, and some there are who still remember his classic address on "The Pharmacist and the National Health Services" delivered in the Assembly Rooms, Edinburgh. He was re-elected chairman of the Conference which met the following year in Birmingham, when his opening address was "Public Health in Relation to the Recognition, Definition, Standardisation and Controlled Supply of Medicaments." Both papers were outstanding examples of the "legal mind" of Rutherford Hill.

A man keenly interested in his fellow men, he was a member of a large number of organisations interested in welfare work, the Prisoners' Aid Society, Deanbank Institution for Rescue Work, Mission to the Jews. He also conducted a Sunday school in the Stockbridge neighbourhood and it was no unusual sight to meet him on a Sunday hand in hand with a number of small children on their way to or from Sunday school. He could be seen and heard at the Mound [Edinburgh's open-air forum] most Sunday evenings preaching on some religious topic or addressing listeners on the evils of alcohol as a beverage. He was considered narrow in his religious outlook, and never agreed to the union of the Presbyterian Churches.

Hill died on July 17, 1941, a man beloved by many and respected by all who knew him, of whom it was said that he could have filled many high posts with distinction, a Lord of Session, an Archbishop, a Moderator or one of His Majesty's Chief Secretaries of State. Pharmacy should be grateful that he remained faithful to his calling.

Mr. Knott also read appreciations by MR. HENRY STOUT (chairman, board of examiners) and SIR HUGH LINSTEAD (a secretary of the Pharmaceutical Society).

Mr. Stout recalled, in his paper, that on many occasions Rutherford Hill would meet a group of young apprentices at 6 o'clock in the morning at Blackford Hill or Balerno and treat them to a delightful exposition on field botany. His enthusiasm was great and infectious, with the result that at one time pharmacy in Edinburgh had in its ranks at least twelve men who could be described as expert field botanists. That close association of Hill with young people on the threshold of their lives was the starting point of many distinguished careers. Hill often saw a student more than usually observant, and at once singled him out for special advice on how to pursue his studies.

Personal Touch

Every candidate who sat the Society's examinations got a special letter from Hill. To the unsuccessful, he pointed out just where they were weak, and gave them useful advice for future study. To those who did pass he also gave advice, pointing out that the passing of the examination was not to be regarded as the end of their labours, but that they were now fitted for more specialised work.

In 1929 there was a change in the examinations in that written papers were introduced to the Qualifying examination. Hill's strong personality brought the Scottish board into conflict with the board for England and Wales. He feared that Scotland might not have an equal say in the drafting of the examination questions. After some lively meetings a fifty/fifty arrangement of questions was agreed.

(*To be concluded*)

COMPANY NEWS

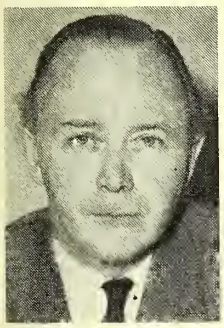
Last year's figures in parentheses.

NEWTON, CHAMBERS & CO., LTD.—Colonel John Philip Hunt (managing director, Staveley Coal and Iron Co., Ltd.), has been appointed to the board.

SOUTHALLS (BIRMINGHAM), LTD.—Net trading profit for 1956 is £78,670 (£82,007); tax allowance, £95,500 (£108,500) and net profit, £100,841 (£92,512). Final dividend on Ordinary stock is 9 per cent. (7½ per cent.) making 12 per cent. for the year (against 10 per cent.).

GRIFFIN & GEORGE, LTD.—The following changes in the board of directors are announced:— Mr. Ronald McKinnon Wood has asked to be relieved of his duties as chairman of the company, in view of the important public duties he will assume in the near future as Chairman of London County Council; Mr. H. R. Bettinson, hitherto vice-chairman, is to act as chairman of the board for the time being; Mr. Norman McKinnon Wood has been appointed vice-chairman and relinquishes his appointment as managing director, which position is taken by Mr. Norman Trepte.

JOHNSON & JOHNSON (GT. BRITAIN), LTD.—Mr. Harry Wren has been appointed managing director (as from March 1). He succeeds Mr. J. F. Brooke, who becomes chairman of the company, the chairmanship being a new position in which Mr. Brooke will be able to devote his whole time to future plans and the co-ordinating of policy, research and production in the several United Kingdom factories of the group.



Mr. H. Wren

ILFORD, LTD. — Expansion plans involving considerable expenditure are outlined by Mr. J. P. Philipps (chairman) in his review with the full accounts for the year to October 31, 1956. Further extensions to the company's film production plant have been started and a large site has been acquired at Basildon, Essex, where it is intended to concentrate the production now carried on at a number of smaller factories in the London area. The expenditure will be offset to some extent by the sale of the older properties, says Mr. Philipps, but will, over a period of years, greatly exceed the year-end capital commitment of £457,749. Finance for the expenditure should be available largely from existing liquid resources and profits ploughed back. The U.S. sales company, Ilford, Inc., made a loss in the year under review but that was expected since expenditure is normally high in the early stages of operations and it is expected in a year or two trading will be on a remunerative basis. (For accounts see *C. & D.*, February 16, p. 181.)

BOOTS PURE DRUG CO., LTD.—An interim dividend is being paid for the half year ending March 31, of 3 per cent., less tax, to be paid on March 31, 1957, to ordinary shareholders.

WILLOWS, FRANCIS, LTD.—Mr. A. N. McNamara, B.Sc., F.P.S. (a director) has assumed the additional responsibility for the overall supervision of the technical research and development sections of the company and its associate Pharmaceutical Manufacturing Co. Messrs. J. R. Davis (secretary) and A. Robert Bridges have been appointed directors of Messrs. Willows Francis.

MONSANTO CHEMICALS, LTD.—A second interim dividend on the Company's Ordinary stock of 15 5/6 per cent. is declared for 1956 and no further distribution will be recommended. Total distribution for year is 22½ per cent. (same). Net sales for 1956, £14,034,947 (£13,499,986); net income before taxes, £1,544,079 (£1,789,573); less taxation, £708,975 (£791,423); Sales turnover for 1956 again established a new record being 4 per cent. above that set up in 1955. Increased costs, however, coupled with lower selling prices continued to have their effect on the profit position. Exports at £5,821,357 were £764,824 (15 per cent.) higher than in 1955 and represented 41 per cent. of total sales, compared with 37 per cent. in the previous year. The company is to double its issued Ordinary capital by way of rights and scrip issues. The rights issue will take the form of one new 5s. Ordinary at 7s. 6d. in respect of every two held. Then one new share will be issued free for every three held, involving capitalisation of £1·35 millions. Monsanto Chemical Co. of U.S., which holds two-thirds of the Ordinary capital, intends to subscribe for its proportion of new shares.

LEGAL REPORTS

Drug Cupboard Not Locked

At Bournemouth magistrates' court, recently, Edward Kelly, M.P.S., West Cliff Road, Bournemouth, was fined £25 for a breach of the Dangerous Drugs Act. He was charged that, being an authorised seller of poisons, he was not keeping his Dangerous Drugs in a locked receptacle that could be opened only by himself or another pharmacist. Kelly pleaded guilty. A police sergeant said that, when he visited the shop it was in the sole charge of two unqualified assistants, and the key of the Dangerous Drugs cupboard was in the lock of the cupboard. After waiting some minutes, during which the defendant did not return, he himself locked the cupboard and took the key.

Prison for Pharmacist

At Derbyshire winter assizes recently, Michael Nevins Stuart, M.P.S., formerly manager of the Shirebrook, Derbyshire, branch of the local Co-operative society, was sentenced to six months' imprisonment after pleading guilty to fraudulent conversion of shop takings to a total of £31 10s. 6d. The conversions were stated to have occurred on two separate dates. A further charge was of making, with intent to defraud, a false cash sheet purporting to be a true record of takings. Defending counsel said that Stuart had received treatment following a nervous breakdown.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. Harold MacMillan (Prime Minister) stated in the House of Commons on February 20 that the Government had decided to review medical remuneration through an independent inquiry which would take into account the position of the medical profession in relation to other professional classes in the community and would suggest how the matter could be kept under review. A Royal Commission was being appointed for the purpose.

Petrol Rationing

Mr. R. Maudling (Paymaster General) announced on February 20 that arrangements would be made for any petrol coupons unused in the current period to be valid up to the end of April in addition to the coupons for the new period. As from April 1 the cuts in fuel oil would be reduced to 10 per cent. for industry and 25 per cent. for non-industrial central heating.

Patents Bill

The Patents Bill was read a third time in the House of Commons on February 20.

Cost of Health Service

Mr. Dennis Vosper (Minister of Health) told Mr. A. W. J. Lewis, in a written answer on February 25, that the total cost of the National Health Service for Great Britain in 1949–50 was about £450 million of which £345 million was met by the Exchequer. The corresponding figures estimated for 1957–58 were about £690 millions and £550 millions respectively. The equivalent of those latter figures in terms of the purchasing value of the £ in 1949–50 were about £515 millions and £410 millions.

Shops Bill

When the Shops Bill was considered in Committee by the House of Lords on February 26, Viscount Alexander of Hillsborough moved to leave out paragraph (*d*) from Clause 41. [The paragraph would prevent a pharmacist who worked for two hours in a shop on a Sunday from working any period before 11 o'clock in the morning or any period after 5 o'clock in the afternoon of a business day either in the week beginning with that Sunday or in the immediately preceding week.] The amendment was by leave withdrawn after Viscount Hailsham had promised that the matter would be discussed again in the House of Commons. He said that he was far from saying that the Government would not make a concession later. Viscount Alexander of Hillsborough said that he was quite certain that his friends in the House of Commons would raise the matter again.

BIRTH

WHYTE.—On February 16, to Betty Whyte, M.P.S., wife of John Whyte, M.P.S., Eden Place, Auchtermuchty, Fife, a daughter.

MARRIAGE

BLYTHE—MILNE. — At Holburn West Church, Aberdeen, on February 9, Rowland Arthur Blythe, M.P.S., Pleasley Vale, Mansfield, Notts, to Sheila Haddow, 29 Salisbury Terrace, Aberdeen.

DEATHS

BURNITT.—On November 23, 1956, Mr. Ernest William Burnitt, M.P.S., Arncliffe, Rectory Avenue, High Wycombe, Bucks, aged eighty. Mr. Burnitt was for many years in business at Desborough Road, and Queen Square, High Wycombe.

CAMPBELL.—On February 24, Mr. Colin Campbell, M.P.S., 2 Daleview Avenue, Kelvindale, Glasgow, W.2, aged fifty-five. Mr. Campbell inaugurated the retail drug department of the Scottish Co-operative Wholesale Society, Ltd., in 1936 and retained his position as manager until his death. He was appointed a member of the Pharmaceutical Standing Committee (Scotland) in 1940 as the representative of the Co-operative Union, and played a prominent part in all negotiations from that date. As a member of the Pharmaceutical Whitley Council, Committee B, he was especially active at the inception of the National Health Service and in all Whitley negotiations. Mr. Campbell had been a member of the Glasgow Pharmaceutical Committee, and in 1955 was appointed a member of the National Health Service (Scotland) Drug Accounts Committee.

Dr. David McCall writes: During the past ten years I have been in close contact with Mr. Campbell and have grown to appreciate his sterling qualities and his cheerful personality. Although a nominee of the Co-operative Union, he dealt with all pharmaceutical matters in a truly objective spirit, and had the good of pharmacy at heart. No one took a greater interest in the many problems which from time to time confronted the Standing Committee. His intense interest in all pharmaceutical matters found special expression in his work as a member of the Standing Committee to whose meetings he always came well informed. In all his dealings he showed a friendly disposition which even in opposition was most disarming. He will be greatly missed by his colleagues and by his death Scottish pharmacy has suffered a great loss.

IRWIN. — In a Belfast clinic on February 20, Mr. James Irwin, Diamond Gardens, Finaghy, Belfast. Mr. Irwin was registered as a druggist in Northern Ireland in 1926. He was treasurer of the Pharmaceutical Society of Northern Ireland. The owner of two establishments at Dunmurry, Belfast, Mr. Irwin was the sole representative of the registered druggists on the Council of the Pharmaceutical Society of Northern Ireland. He was elected to the Council in 1942 and became treasurer of the Society in 1953. He was also a member of the executive committee and an auditor of the Chemists' and Druggists' Society of Ireland, with which he had been associated for many years. Mr. Irwin was a member of Corlea, Masonic Lodge 790, Stewartstown R.A.C. 783 and the Stewartstown Preceptory. He is survived by his widow, a son, who is now in his final pharmacy studies, and a daughter now in Canada. At the funeral held at Blaris Cemetery, on February 22, the Pharmaceutical Society of Northern Ireland was represented by the president (Mr. C. A. Quinn), the secretary (Mr. William Gorman), and several members of Council.

LANG. — On February 6, Mr. William Lang, 4 Maiden Castle Road, Dorchester, Dorset, aged sixty-three. Mr. Lang was clerk to Dorset Executive Council. He came to Dorchester in 1913 as chief assistant to the Dorset Insurance Committee, continuing in that capacity until his appointment as clerk to the Dorset Executive Council in 1948. He is survived by his widow. Among mourners at the funeral were Mr. J. Packwood (chairman, Dorset Pharmaceutical Committee), Miss E. M. Evans (secretary of the Committee), and Messrs. R. I. Hargreaves, R. C. Lynn and J. Tinegate (members). Mr. E. C. Clark represented the National Pharmaceutical Union.

Miss E. M. Evans writes: Mr. Lang was a man of exceptional ability with a great devotion to duty. He was a real friend to all the pharmacists in Dorset who regard his death more as the loss of a friend than a public official. He attended all the meetings of the Local Pharmaceutical Committee, often staying until 10 p.m. or later, and was always willing to help in any way.

PIRIE.—On February 6, Mr. Herbert Edwin Beaton Pirie, M.P.S., 29 Wallfield Crescent, Aberdeen, aged seventy.

POTT. — On January 31, Mr. Frederick Thomas Fore Pott, M.P.S., 9 Porto Hey Road, Irby, Ches, aged seventy-eight. Mr. Pott was in business in Birkenhead for fifty years.

ROOK. — On February 11, Mr. Moses Rook, M.P.S., 217 Dialstone Lane, Stockport, Ches, aged eighty-five.

SIMINSON. — On January 31, Mr. Thomas Siminson, M.P.S., 2 George Street, Warminster, Wilts, aged eighty-two.

SIMONSEN. — At his home in London on February 20, Sir John Lionel Simonsen, F.R.S., aged seventy-three. Sir John Simonsen was director of Colonial Products Research, 1943–52 and was an authority on the chemistry of essential oils. Educated at Manchester Grammar School and at Manchester University, he was in 1910 appointed to the chair of chemistry at the Presidency College, Madras, and from then onwards was concerned with the chemistry of plant products. He was secretary of the Indian Science Congress, 1914–26, and was president both of the section of chemistry and of the Congress. During the 1914–18 war he was controller of oils and chemical adviser to the Indian Munitions Board. Later he was appointed forest chemist at the Forest Research Institute and College, Dehra Dun, a position which he held until 1925. From Indian pines and grasses he extracted and identified the first naturally occurring representatives of new complex hydrocarbons, and elucidated also the course of their formation. He was professor of organic chemistry in the Indian Institute of Sciences, Bangalore, 1925–27, and was by then a recognised authority on the terpenes. On those he wrote an authoritative treatise, published in 1931 after his return to England. He held the chair of chemistry at the College of North Wales, Bangor, 1930–42. He was secretary of the Chemical Society and a member of the Agricultural Research Council, 1945–49. He was president of the section of chemistry of the British Association in 1947, and at the 1950 meeting at Bristol opened a discussion on colonial plant products.

THOMPSON. — Recently, Mr. Ernest Thompson, M.P.S., 23 Sussex Way, Cockfosters, Herts. Mr. Thompson qualified in 1929.

WEST. — In July 1956, Mr. Alfred William West, M.P.S., 75 Coogee Bay Road, Coogee, New South Wales, Australia. Mr. West was a member of the council of the Pharmaceutical Society of New South Wales, and a member of the Pharmacy Board of New South Wales. He visited London in 1955, when his name was added to the Register of the Pharmaceutical Society of Great Britain under Section 11 of the Medical Practitioners and Pharmacists Act.

BUSINESS CHANGES

LINCOLN HAIR PRODUCTS, LTD., have removed to 55 Strafford Road, London, W.3 (telephone: Acorn 6791).

C. OLLEY & SONS, LTD., Camperdown Street, Leman Street, London, E.1, have acquired the cork manufacturing business of Herbert Pride, Ltd., 30 South Lambeth Road, London, S.W.8. All communications should now be sent to Camperdown Street.

Appointments

WILLIAM R. WARNER & CO., LTD., Power Road, London, W.4, have appointed Mr. W. E. G. Cordwell a sales executive.

COLEMAN & CO., LTD., have appointed Mr. H. F. D. Bush, 11 Carmarthen Road, Henleaze, Bristol, their representative in the counties of Wiltshire, Somerset, Dorset, Devon and Cornwall, following the retirement of Mr. Gray on pension.

DISTILLERS CO. (BIOCHEMICALS), LTD., The Broadway, London, S.W.19, have appointed Mr. J. D. Ironside, M.P.S., an assistant home sales manager. Messrs. W. G. Poole, M.P.S., and J. M. Butters have been appointed assistant export sales managers.

SMITH & NEPHEW, LTD., Welwyn Garden City, Herts, have appointed the following area supervisors: Messrs. W. B. Lowe, M.P.S. (Scotland and the north of England); J. S. Penson (midlands) and J. S. Gunn (southern areas). All have served as outside representatives with the Smith & Nephew Group for many years.

NEW PRODUCTS AND PACKS

Now with Cotton Wool.—The personal products division of Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks, announce a new Modess—with cotton wool.

Sicilian Lemon Juice. — J. & J. Colman (Reckitt & Colman, Ltd.), Carrow Works, Norwich, are marketing a new product, Robinson's Sicilian lemon juice. The pack is a 25-oz. bottle.

Cough Pastille with New Features.—Tussimol cough pastilles, a new speciality of The British Drug Houses, Ltd., London, N.1, contain an ingredient—oxeladin—whose action is to depress the activity of the cough centre in the medulla without hypnotic action on the higher centres. The pack is a tin.

Treatment for Dry Scalps.—Pantene "semi-fix" is the title of a new Pantene product now being marketed by Thos. Christy & Co., Ltd., Aldershot, Hants. Pantene "semi-fix" has all the ingredients of Pantene plus a percentage of oil and is marketed as both a hair dressing and a "medicine for the hair."

Milk and Sulphur Soap.—The bath-size Albion milk and sulphur soap is a full 6-oz. tablet, individually cartoned. "Specially designed for economy," it has a recess on the back into which may be pressed the remains of used tablets of soap. The makers are Albion Soap Co., Ltd., 30 Thames Street, Hampton-on-Thames, Middlesex.

Emulsion Against Varicose Ulcers.—Ward, Blenkinsop & Co., Ltd., 37 Queen Square, London, W.C.1, have made available in a 100-c.c. bottle an emulsion of Viacutan (silver salt of dinaphthylmethane disulphonic acid) for the treatment of varicose ulcers. Larger sizes are being introduced at a later date, and Viacutan remains available as a solution, cream and alopecic cream.

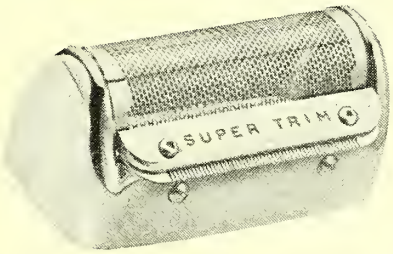
Portable Ultra-violet. — London Commercial Electrical Stores, Ltd., 20 Cursitor Street, London, E.C.4, have introduced a fully portable Sol-Tan, ideal for doctors and physiotherapists: a compact all-purpose high-pressure mercury arc generating the complete spectrum of ultra-violet from 4,500 to 2,000 Angstrom units. The size of the outfit is $6\frac{3}{4}$ x $6\frac{3}{4}$ x $7\frac{1}{2}$ in., weight about 10 lb.

Additions to List.—Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex, have made available the following new products:—Milontin capsules, 0·25-gm., in bottle of fifty and in tin of 500. Diphtheria prophylactic, formol toxoid (FT), 50 Lf units per mil, in 0·5-mil ampoule, set of three ampoules, and 10-mil vial. Pollaccine in vial of 5 mils (100, 200, 500, 1,000, 2,000, 5,000, 10,000, 20,000, 50,000 or 100,000 units per mil).

Penicillin-V Tablets. — Imperial Chemical Industries, Ltd., pharmaceuticals division, Fulshaw Hall, Wilmslow, Manchester, have added to their range of medicinal specialities Penavlon-V tablets, each containing the equivalent of 120 mgm. (free acid) of penicillin-V (phenoxymethyl penicillin)—equivalent to 200,000 units of penicillin-G. The tablets are scored to be easily divided into two for convenience of dosage and issued in tube of fifteen and bottles of 100 and 500 [corrected note].

Cream Powder Compact.—Velpuff, one of the newest products of Dixor, Ltd., St. Leonards Road, Mortlake, London, S.W.14, is described as "the perfect creamy base with the softest, finest powder—protects the skin, and cannot dry it." Ready to be smoothed on with its own puff, Velpuff stays matt for hours. It is available in four shades, "fascination" (natural); "enchantment" (rachel); "mystic touch" (peach); and "irresistible" (brunette).

Shaver with Precision Clipper.—The Super Trim, a new feature incorporated in the Ronson electric shaver, adds to the close shave provided by the characteristic thin-foil shaving head a precision trim of "sideboards" and moustache, besides cutting the long hair on the nape of the neck and under the chin. The Super Trim is here illus-



trated. It forms part of a metal head that now replaces plastic in the new model. The head is removed and reversed to bring the Super Trim into play in place of the shaver. The new instrument is available in two packs: a grey presentation case and a leather "trip kit," as illustrated. Delivery to

the trade commences in April and advertising to the public in May. The new model in presentation case comes at the present price of the Ronson. When it becomes obtainable by the public the current model, which will continue to be available, is being reduced in price. Re-orders are being met in the interim at the new reduced trade price.

"Man-size" Tissues.—A new member of the Kleenex range—Kleenex tissues for men—is now being intro-

duced nationally by the manufacturers, Kimberly-Clark, Ltd., 11 Grosvenor Gardens, London, S.W.1. Designed by Richard Lonsdale Hands and Associates, and made by Mardon Son & Hall, the pack is practical and should appeal to men whether used at home, in workshop, office or garage. The tissues, each 1 ft. square with the special feature of wet strength, are packed in a varnished carton about 12 in. long, 6 in. wide and 2 in. deep. The centre of a red and black "banner" worded "Kleenex tissues for men" is a perforated diamond-shaped panel that is easily removed to give ready access to the tissues. The back of the pack carries seven illustrations showing uses to which the tissues may be put. The pack contains 100 pulls.

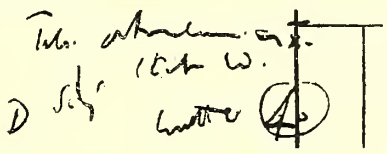
MANUFACTURERS' ACTIVITIES

Laboratory Equipment on Show. — In conjunction with the symposium on recent developments in chemistry of fibrous polymers at the Technical College, Bradford, recently, Quickfit & Quartz, Ltd., Stone, Staffs, exhibited an extended range of conical and spherical ground-glass joints. In addition, the company had on exhibition their range of semi-micro distillation apparatus, specialised apparatus for chromatography and extraction and general-purpose "students' sets" of organic preparation equipment.

Sales Conference.—Richard Hudnut, Ltd., Power Road, London, W.4, held their annual sales conference in Bournemouth, February 13–15, when representatives from all parts of the United Kingdom attended. The Conference was opened by Mr. J. S. Hamilton (sales director). A visitor from the parent company in America was Mr. F. C. Cleary (vice-president for British Commonwealth and Asian operations of Warner-Lambert International, of which Richard Hudnut, Ltd., is a subsidiary).

CAN YOU READ IT?

Part of an EC10 a chemist-contractor was asked to dispense. What did the doctor order? Answer on p. 246.



TRADE NOTES

Packed Tablets.—Richard Daniel & Son, Ltd., Mansfield Road, Derby, undertake the manufacture of packed tablets for counter sale. A price list is available.

Discontinued.—Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex, announce that stocks of the following are exhausted and the products discontinued:—Sodium sulphocyanate elixir (No. 206) and anti-rheumatic vaccine (mixed), 5 million per c.c.

An All-the-year-round Seller. — A C.F. product, Patons dental ointment, sells throughout the year. First introduced twenty-five years ago, it is issued by the manufacturers, F. Paton (Southport), Ltd., in a counter-display outer holding twelve tubes. Irish orders should be placed with May, Roberts (Ireland), Ltd., Dublin.

Formula Improved. — Oxo, Ltd. (medical department), Thames House, London, E.C.4, announce that Livox capsules now contain ferrous gluconate in place of iron glycerophosphate, and 5 mgm. of nicotinamide in place of 0·5 mgm. The other ingredients are unchanged.

Vial in Place of Ampoules. — The Lederle Laboratories Division of Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2, announce that, on February 21, the twelve 1-c.c. ampoules pack of their product Teropterin brand of sodium pteroyl triglutamate is being replaced by a 10-c.c. vial.

New Colours for Toilet Tissue. — Kimberly-Clark, Ltd., 11 Grosvenor Gardens, London, S.W.1, have added two further colours (green and yellow) to the pink and white varieties of Delsey previously available. The colours have been selected to tone or blend with shades currently popular for bathroom equipment.

Distribution Change.—On February 1, Ward, Blenkinsop & Co., Ltd., ceased to act as distributors of the products manufactured by Robapharm Laboratories, Ltd., Basle, Switzerland (including Robaden, Ripason, Ossopan, Recosen and Raveron). All orders and inquiries relating to those products should be addressed to Robapharm, Ltd., 44 Welbeck Street, London, W.1.

List Changes. — Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, have deleted from their list Hyotole, liquor Diastos, and Cadroson, and are discontinuing to issue them when present stocks are exhausted. The name of the product hitherto known as Hypabeta has been changed to Hypabeta-20. It will in future contain 20 microgm. (instead of 5 microgm.) per mil of vitamin B_{12}.

Prize Competition. — O. R. Graves, Ltd., 20 Jermyn Street, London, S.W.1, are organising a new, nation-wide competition for Sunfresh (made from whole oranges). Prizes total over £3,000. The retailers who supply the winners will also receive cash prizes (first, £100; second, £25; third, £10). Fifty consolation prizes of £10 shopping vouchers may only be spent with Sunfresh stockists. The competition opens on April 1 and closes May 11.

Purchase Tax Guarantee.—To protect retailers against possible loss of purchase tax on Alka-seltzer, Don S. Momand, Ltd., Nuffield House, Piccadilly, London, W.1, announce that on all Alka-seltzer invoiced direct to a non-registered retailer between February 18 and Budget Day, inclusive, they will refund 100 per cent. of the reduction. Messrs. Momand are the sole distributors for Miles Laboratories, Ltd., manufacturers of Alka-seltzer.

Changes of Policy. — Walter Crowe, Ltd., 3 Little Russell Street, London, W.C.1, have been appointed by the English Grains Co., Ltd., Shobnall Road, Burton-on-Trent, the distributing agents for Yestamin from March 1. The product is now in a new pack, with modern label "in keeping with this high-quality product." The company's plans have necessitated a complete revision of costings, and in consequence an increased scale of prices (p. 252): the first increase for over ten years.

U.S. Purchase of Rat Poison. — A substantial contract for the supply of Dethmor warfarin rat poison has been awarded by the United States Government to the British company C. F. Gerhardt, Ltd., 5 Fenchurch Street, London, E.C.3. The contract, for 30,000 tins, is valued at thousands of dollars and has been won against world-wide competition, including that of U.S. manufacturers. It is being shipped to a Far Eastern country as a gift from the United States. The amount involved will produce nearly 300 tons of bait.

Sole U.K. Distributors.—After being absent from the United Kingdom market for many years, Le Galeon toilet waters are now being exclusively distributed in that territory by Silmor Distributing Co., 16 Cosway Street, London, N.W.1, who hold stocks for immediate delivery. The range so far consists of *Sortilège* perfumes, *Eau de Sortilège;* Snob perfume and *Eau de Snob.* Shortly distribution will commence of *Le Jasmin* and *L'Iris* perfumes, eau de lavande, eau de Cologne, and *Eau le Galeon* (for gentlemen). Showcards and material are available.

Shaver Exchange Scheme.—Under the scheme for exchanging stocks of Remington Super 60 electric shavers for the *de luxe* model incorporating the new Rollectric feature, the manufacturers point out that the instructions applicable to retail stockists are that all exchanges shall be completed before March 28 and that the company's special returns form shall be used (as enclosed in a brochure free on request). Retailers who deal through wholesalers are being contacted by the wholesalers' representatives to arrange for the return of existing shop stocks, and for their replacement—at no charge—with the *de luxe* version. Any retailer who has not had such an approach from the wholesaler by March 14 should himself contact the wholesaler. Stockists who deal direct with the manufacturers should return stocks of the Super 60 to Department 457 (not as previously stated), Remington Rand, Ltd., 26 Kensington High Street, London, W.8, before March 28. Following receipt of the returned stock, Messrs. Remington-Rand will send out the *de luxe* version on a one-for-one basis and without charge.

Bonus Offers

B.G.P. (Cosmetics), Ltd., 37 Chesham Place, London, S.W.1. Lipcote (see *C. & D.*, February 23, p. 208). Till March 31 only.

The British Drug Houses, Ltd., London, N.1. Tussimol cough pastilles. Two extra tins with every order for twenty-four. On direct orders.

Thos. Christy & Co., Ltd., Aldershot, Hants. Pantene "semi-fix." Thirteen charged as twelve, forty as thirty-six. (May be assorted with Pantene non-oily or oily if desired.)

Distillers Co. (Biochemicals), Ltd., Broadway House, The Broadway, Wimbledon, London, S.W.19. DCL vitamin B_1 yeast tablets. One doz. bottles of fifty or 100 tablets, or assorted dozens, charged at rate of twelve for price of eleven on minimum of three display cartons. March 1 to April 30. Bonus parcels, with showcards, dispatched direct but invoiced through wholesalers.

Geigy Pharmaceutical Co., Ltd., Manchester, 23. Desogen throat lozenges. Fourteen for price of eleven. March 1 to 31.

Johnson & Johnson (Great Britain), Ltd., Slough, Bucks. New Modess (with cotton wool). Voucher for two free seats at local A.B.C. cinema in each 4-gross, one in each 2-gross carton.

F. C. Paton (Southport), Ltd., P.O. Box 5, Southport, Lancs. Paton's dental ointment. Thirteen to doz. (minimum two doz.) on direct orders.

Rexall Drug Co., Ltd., Loughborough, Leics. "Brewers' yeast" tablets and flakes. Each complete doz. charged as eleven. Throughout March and April.

Scholl Mfg. Co., Ltd., 182 St. John Street, London, E.C.1. Dr. Scholl's foot aids. Fourteen to doz. on bonus parcel costing £5 14s. March 4 to 16.

Jean Sorelle, Ltd., 22 Turle Road, London, N.4. Sorella foam bath. Thirteen for price of twelve. During March.

W. & F. Walker, Ltd., Kirkby, Liverpool (distributors: Cullingford of Chelsea, Cheyne Walk, London, S.W.10). Rotosan. 5 per cent. on parcel costing £2 8s. 6d.; 7½ per cent. on parcel costing £3. Until April 13.

Westminster Laboratories, Ltd., Chalcot Road, Regents Park, London, N.W.1. Brooklax and Bonomint. 12½ per cent. for display on orders value 20s. and over. Additional 5 per cent. on direct orders value £3 or over (on all products of the company).

FIGURES IN THE PHARMACEUTICAL WORLD

IN the area of the London Pharmaceutical Committee are situated approximately 9 per cent. of the pharmacies of England and Wales. Between them they dispense annually one-tenth of all EC10 prescriptions.

Those facts alone make the full-time secretary of the Committee a key figure in the pharmaceutical profession, and his character and personality must be viewed against the background of his office. The present secretary, Mr. W. F. Wilkinson, is only the second to hold the post. Until the first, the late Mr. George Tocher, had served the first six years of his total of thirty-eight his successor was not even born. (And on the same parallel the third secretary of the Committee is only now coming into the world.) George Tocher did more than any other person to create the London County Pharmaceutical Association, from which the Pharmaceutical Committee emerged—to wax where the Association waned. The Association, called into being to coordinate the interests of chemists in a patchwork of administrative districts, each with its own local association of pharmacists, eventually took second place to the Pharmaceutical Committee when that body was given statutory significance under the National Health Insurance Act. For a long time, indeed, the Association was inactive. The offices of the Pharmaceutical Committee, on the other hand, became the focal centre of a set-up that has received and dealt with London contractors' problems and protected their interests with quite remarkable success.

Mr. Wilkinson did not embark under completely promising auspices. A succession of aspirants to the secretaryship had come and gone, the Committee not finding among them the successor to Mr. Tocher. So a period of probation was laid down during which he had to prove himself as assistant secretary. Of two most important prerequisites for the post—loyalty and resource—his previous career had given ample proof. Scion of a naval family resident at Torquay he had chosen to make a break with tradition and become a pharmacist. His four-year apprenticeship was served with Boots, Ltd., at Newton Abbot, Devon, under a "Major" pharmacist of the old dispensation. The Intermediate examination passed in 1941, W.F.W. entered the College of the Pharmaceutical Society, then in its war-time Cardiff headquarters. He passed the Chemist and Druggist Qualifying examination in 1942, and the Pharmaceutical Chemist examination in 1943, carrying off also five certificates of honour and two silver medals. For the last twelve months of his stay at Cardiff he was active in the University Naval Division, and when he entered the Royal Navy in 1943 it was only a few months (January 1944) before he was commissioned as a sub-lieutenant in the technical field of aircraft control and navigation. During his time in uniform he visited Russia, Australia, Hong Kong and other distant parts, finishing up before his demobilisation (with the rank of lieutenant) in January 1946 in Tokyo, Japan, where for three months he had charge, among other activities at the British Embassy, of a brewery producing beer for British service personnel.

47. Mr. W. F. WILKINSON

Wilkinson's return to civilian life was via the College of the Pharmaceutical Society, where he became in September 1946 an assistant lecturer in pharmaceutics. In quest, twelve months later—and married—of higher responsibility and remuneration, he became assistant superintendent pharmacist to John Harley (Chemists), Ltd., a company with sixteen shops in North-west London and Middlesex. His duties of interviewing sales representatives, sitting-in at the appointment of managers, and acting as locum at any required branch could hardly have been better preparation for his later Pharmaceutical Committee career. Still ambitious, in June 1949 he answered a *C. & D.* advertisement for an assistant to Mr. Tocher, with the outcome already told. His age was then twenty-nine.

Mr. Wilkinson believes strongly in trying to secure increasing recognition for pharmacy as a profession and in raising its status in the eyes of the public and of the sister professions of medicine and dentistry. He has encouraged chemist-contractors to telephone not only their own N.H.S. and other business problems (any of a national character are passed to the National Pharmaceutical Union) but also patients' queries if they involve a point of professional public relations. He has been active in reviving the London County Pharmaceutical Association, and in organising its social events and—at the request of the West Ham Association of Pharmacists—the annual forum of candidates in the Pharmaceutical Society's Council elections. It is generally accepted that the separate metropolitan pharmaceutical associations are closer together today than ever previously. London County is exceptional in the proportion of its pharmacies managed rather than owned by pharmacists, and

in the past six years the Pharmaceutical Committee has shown an increasing awareness of its responsibilities towards employee pharmacists.

Mr. Wilkinson takes his duties with full seriousness. He has become an Associate of the Corporation of Secretaries and a member of the Royal Institute of Public Administration. He is on the committee of the West London Branch of the Pharmaceutical Society and serves, by nomination of his Pharmaceutical Committee colleagues, on the Divisional Health Committee for Battersea and Wandsworth. He is reading law. Still young, he is in only the early stages of a career that has opened with rich promise.

LIVERPOOL ASSOCIATION DINNER

An "employee" pharmacist honoured

THE contribution made by Mr. L. A. Butt towards creating a better feeling between private pharmacists and the multiples was stressed in speeches at the dinner given by the council of Liverpool Chemists' Association in honour of Mr. and Mrs. Butt on February 11. The function was attended by members of the council of the Association and committee of the Branch of the Pharmaceutical Society. Until his recent retirement, Mr. Butt was manager of the main branch of Boots, Ltd., in Liverpool. MR. B. M. KELLY, who presided, said that in recent years it had become a custom of the council of the Association and the Branch committee to hold a function to pay tribute on a special occasion to one of their colleagues. "This occasion is perhaps unique," he said. "We meet to honour one of our colleagues not for his achievements in national pharmaceutical politics or in the municipal arena—his path has not been along those lines, but none the less it has been a valuable contribution to the well-being of the Association and Branch." MR. J. FARRER BARNES (a member of the Society's Council) said that Mr. Butt came to the Association not as an employer pharmacist but as an employee. "It has been said that pharmacy is at the cross roads today, and it is only by the co-operation of all pharmacists—employer and employee—that we can approach the future with confidence. I look forward to the day when all pharmacists will belong to their association. Leslie Butt has bridged the gulf between employer and employee. On our councils we have come to learn that the employee pharmacist has a greater contribution to make to our affairs than ever before." Mr. Farrer Barnes said Mr. Butt had made a contribution to pharmacy because pharmacy had to do something about the future and it could only be done by personal endeavour. Other speakers who conveyed to Mr. Butt their good wishes for a happy retirement were Messrs. W. J. Tristram, E. A. Briggs, W. E. Humphreys, H. Humphreys Jones and Miss M. C. Dodd.

"As a member of this council I do not at any time recall making any marked contribution to its deliberations, either in or out of office, meriting recognition," said MR. BUTT. "Certainly you honoured me by electing me to the presidential chair, on which occasion I fear I let you down rather badly by crocking up during my year of office. My experience of branch and association membership before coming to Liverpool was not a happy one, so much so that some years elapsed before I again took any interest in local pharmaceutical affairs. When I eventually did so I approached the matter very much on the defensive and in a critical frame of mind. However, it did not take me long to discover that where I expected hostility I found interest and kindness and soon the whole complexion changed. Although I still hold pronounced views on the relative degree of importance which should be accorded to association and Society, the two together I hold in the greatest affection."

PLASTIC CONTAINERS AT 30,000 AN HOUR

Capacity provided at Ruislip works for double present national use

FORMALLY opened on February 12, a new factory built at South Ruislip, Middlesex, by E. Shipton & Co., Ltd., to extend their Poly-tainer (plastic container) department will have a capacity output of 30,000 an hour (more than double the present national consumption).

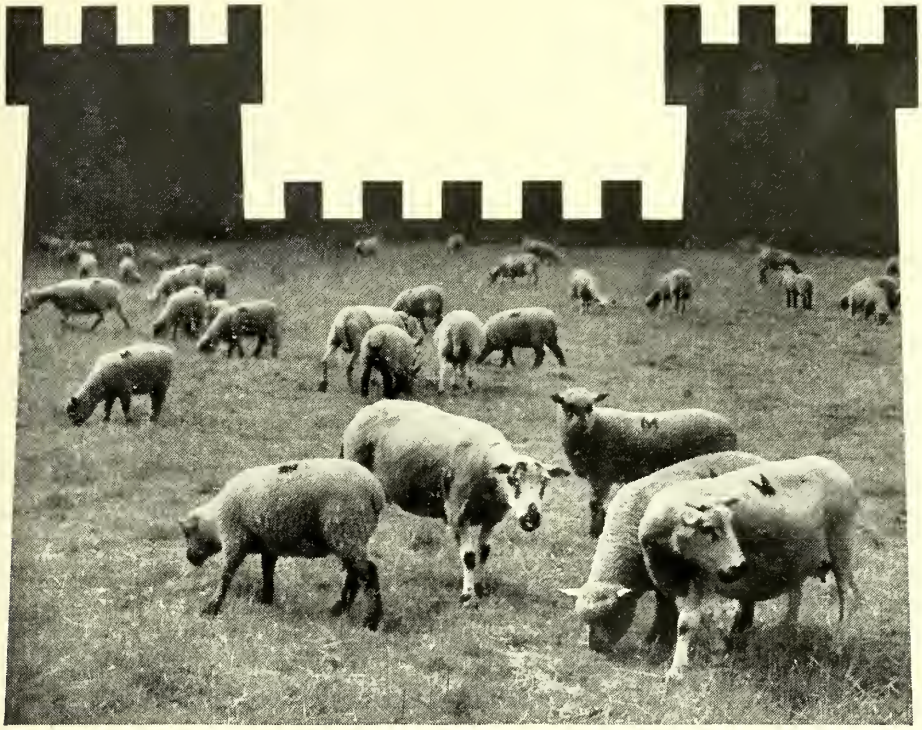
The Poly-tainer is made from polythene by extrusion from a machine, and the factory, besides being planned for expansion on a "unit" basis, has also been given the maximal advantages of automatic handling. At the "heart" of it is a battery of bottle production machines, all manufactured in the company's workshops, and the majority of which are fully automatic. The few remaining semi-automatic models in the factory are being replaced at the rate of about one every three weeks. As the policy of Messrs. Shipton is never to sell a machine outright, any developments that may be evolved in any one of sixteen countries in which the machines are operated on licence are notified to all other users.

General view of the new factory. In the left foreground are the checkers. Behind them are the drillers. In the right background are the automatic extrusion-moulding machines.

The factory is served by a conveyor system which receives the bottles (whilst still warm) from the extrusion moulding machines and transports them, after channelling, to the appropriate section of the works. Bottles that do not require printing go straight to drilling machines, on which the necks are precision-bored. From there they go to a station at which they are counted at high speed by photo-electric cell. After inspecting each container for flaws an operator passes it through a suitably shaped orifice across which the beam of the photo-electric cell is trained. The containers fall into large cases which, when a specified number has been reached, are removed for sealing and dispatch to the customer.

"Plain" containers (those which have no name moulded into the polythene during the original process) can be printed on the premises by the silk-screen process. A large range of stock sizes and shapes made by the company can, by skilful permutation of closures and colours, be increased many times over, so that customers have a very wide range from which to choose.

The machines are entirely self-contained. They need only to be plugged into the electricity supply and coupled to a water connection for cooling, thus making possible the "unit expansion" already referred to. At the moment a temporary wall seals off the space for a 50 per cent. expansion of the factory. The wall is to be seen at the far end of the factory in the illustration. At the present rate of growth in demand for Poly-tainers the wall is unlikely to be left standing for long.



Safeguarding the NATION'S FLOCKS

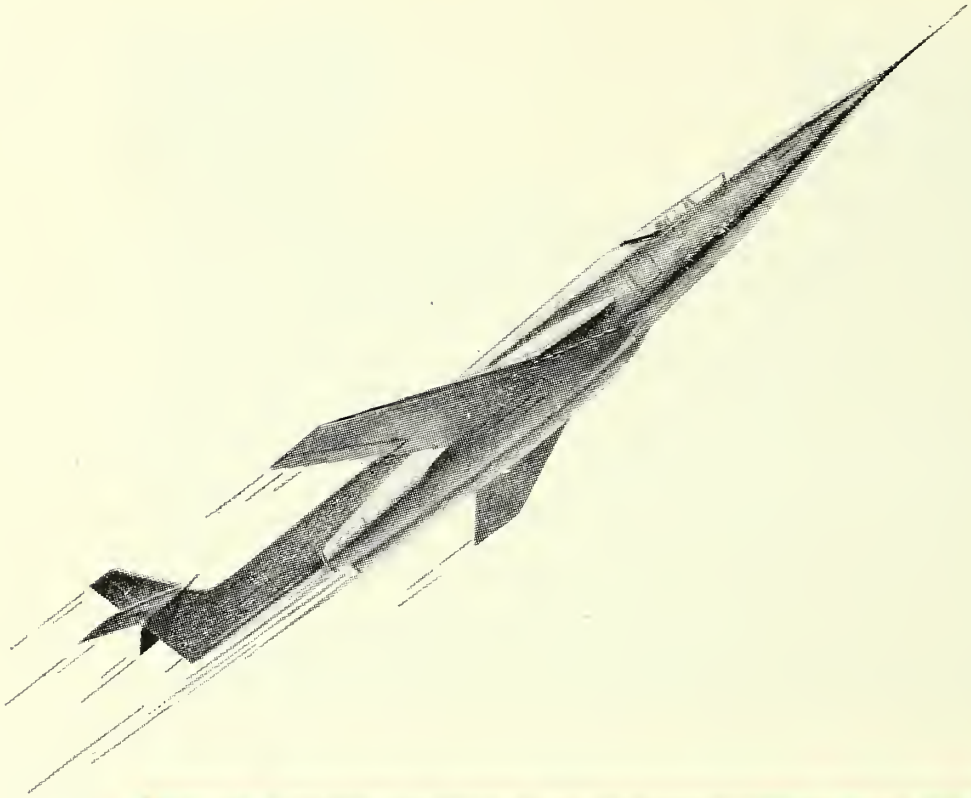
A threat to flocks at any time, swift-killing pulpy kidney disease can cause real havoc among lambs in Spring. Two means of prevention are effective: inoculation with 'Wellcome' Pulpy Kidney Antiserum, which gives immediate but temporary immunity; and inoculation with the slower-acting 'Wellcome' Improved Pulpy Kidney Vaccine, which provides more prolonged protection. The Antiserum is supplied in containers of 100 c.c. (50 lamb or 20 sheep doses); the Vaccine in containers of 50 c.c. (25 doses). Both will be wanted in quantity by farmers during the coming months. Be sure to have stocks on hand. Order NOW.

'WELLCOME' BRAND

Improved Pulpy Kidney Vaccine

Pulpy Kidney Antiserum PREPARED AT THE WELLCOME RESEARCH LABORATORIES

BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON



Well in the lead...

Penicillin-V Lilly is an effective oral penicillin that is stable in the acid form and is not inactivated by gastric secretions. For the first time in oral penicillin therapy, clinical results produced are consistently comparable with treatment by parenteral penicillin.

The average dose is 0.5 Gm. daily—125 mg. four times in 24 hours, increased in severe infections.

Available as
'Pulvules' **125 mg.** (200,000 units), also 250 mg. and 60 mg. (Paediatric)
Suspension 62.5 mg. per 5 cc. For paediatric use.
and as TABLETS Penicillin-V-Sulpha, Lilly (Penicillin-V with Sulphonamides).

Lilly

PENICILLIN-V LILLY

ELI LILLY AND COMPANY LIMITED, BASINGSTOKE, ENGLAND

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

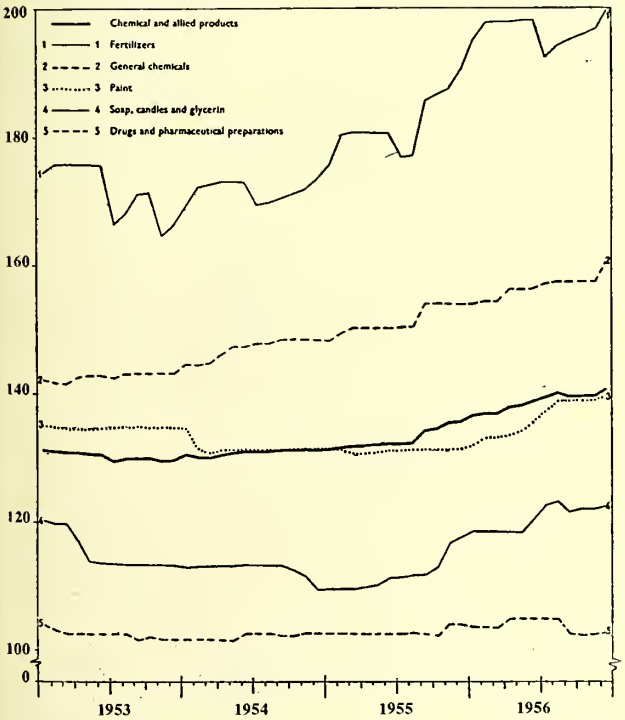
28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Steadiness of Drug Prices

THE accompanying graph, taken from the *Board of Trade Journal* dated February 23, shows how steady the wholesale price index numbers for drugs and pharmaceutical



preparations have been during the past four years compared with those of other chemical products. The graph reinforces the information given to Parliament by the President of the Board of Trade in December 1956 (see *C. & D.*, December 15, 1956, p. 647). At that time it was shown that, since 1949, wholesale prices of drugs and pharmaceutical preparations had risen by only 2·4 per cent., against rises of 15·8 per cent. in clothing and footwear, 50·5 per cent. in manufactured foodstuffs, 12·7 per cent. in domestic electrical appliances, and 11·3 per cent. in furniture.

Overseas Trade in January

THE outstanding feature of the United Kingdom trade and navigation accounts for January was the steep rise in imports. Valued at £376·5 millions they were the highest monthly total ever recorded and exceeded exports and re-exports by £103·8 millions. Explaining the rise the *Board of Trade Journal* mentions that the delayed arrival of diverted ships reduced imports in the second half of November and early part of December 1956 with the result that some subsequent bunching of arrivals from the areas beyond Suez took place. That may well be a correct diagnosis for the country's imports in aggregrate but in the more selective field of chemicals particularly in prepared drugs and medicines, which at £914.824 have only once been higher, the explanation is perhaps less relevant since most come from Europe and the United States.

Exports of prepared drugs and medicines were, in the main, lower in January than in the past few months as a comparison of the accompanying table with the similar tables we have published recently will show. Moving at a higher rate, however, were shipments of vitamins and aspirin.

Australia remained the best market for medicinal products, the value of her shipments being £286,502; India was next with £224,515. The closing of the Suez Canal may have been responsible for the big fall in medicinal exports to Pakistan but we shall have to wait for February and possibly March accounts to be published before a useful conclusion can be drawn on that.

EXPORTS	VALUE
	£
Drugs, medicines, medicinal preparations (total)	2,848,263
Vitamins	259,657
Penicillin salts	136,329
Penicillin injections	36,846
Penicillin tablets, ointments, etc.	27,707
Antibiotics other than penicillin	318,260
Quinine	11,548
Alkaloids, excluding quinine	105,429
Aspirin	117,366
Antihistamines	41,198
Antipaludics	77,701
Barbiturates	39,152
Liver extracts	8,458
Ointments and liniments	109,061
Insulin	31,822
Sulphonamides	85,881
Proprietary medicines	762,166
Unclassified medicines	641,575
Glycerin	108,983
Acetone	49,859
Citric acid	40,575
Salicylates	27,513
Perfumery and toilet preparations	
Lipstick, face powder, etc.	323,805
Dentifrices	260,939
Toilet soaps	261,448
Synthetic detergents	726,093

IMPORTS	VALUE
Vitamins	104,698
Antibiotics	146,812
Alkaloids	57,395
Proprietary medicines	82,937
Unclassified medicines	522,982
Borax	131,549
Iodine	85,322
Menthol	80,338
Essential oils	
Bergamot	29,908
Citronella	77,249
Clove	16,063
Geranium	18,263
Lavender	18,250
Lemon	106,936
Orange	14,229
Peppermint	130,155
Unclassified	332,031

"S" AND "A" AND ALL THAT

J. J. HAYTON

WHOEVER coined the word "bundle" in connection with script-sorting certainly hit on the mot juste. The unthinking may consider that any other similar collective noun such as "sheaf," "heap" or "pile" would serve the same purpose, but reference to the dictionary shows "bundle" to be derived from the Anglo-Saxon "bindan," meaning "bind." Whatever else the sorting out of our monthly haul of EC10's is not, it most surely is a bind of some dimension.

We say nothing of the occasional comparatively easy task of sorting into doctor order. What we refer to is the "A" and "S" system. Nowadays the "doctor order" method is even easier than it was, for medical practitioners are required to have their names and addresses stamped on the back of the forms. The lady doctor, for instance, whom we used to file, out of sheer cowardice, under "miscellaneous," since her surname read quite distinctly EASY-VIRTUE, now turns out to be an innocuous EVERETT.

The Fatalists, the Fussy and the Frivolous

The two-bundle system, however, becomes more involved as time goes on. Take the question of homogenising, as it were, the "A's." One school of thought hopes for the best and leaves them in the order of dispensing. Another segregates them into approximate values of 1s., 2s., etc., before placing them in equal amounts in the hundred packs. A third type of contractor gets his month's scripts in an untidy heap and picks them out on the principle "she loves me, she loves me not." It is understood that the three kinds are known in pricing bureau circles as the Fatalists, the Fussy and the Frivolous respectively. Whereas the clerks dealing with the first two speak of a certain monotony in their work, those pricing the haphazard results of the Frivolous often find their task enlivened by the discovery of two used cinema tickets, a grubby piece of paper bearing the message "Billy will wait for this. It's only cough medicine and ear drops with free dropper," and a pamphlet bearing the latest information from the cortisone stables. So far, no petrol coupons have been found — nobody could be *that* haphazard!

By now it is apparent to any contractor under the National Health Service that the size of his account is not governed by the number of scripts dispensed, or by the cost of ingredients (though both may be contributory factors). No, the determining factor is how successfully he places his "A's" to ensure that the percentage taken out for pricing consists entirely of scripts with a "net cost" value of 4s. 11½d. Successful sorting, unfortunately, is not a question of possessing a skill but of having a "gift." Conjurers acquire the art of making people "choose" a card they wish them to, and Irish hospital nurses unerringly pick out the most deserving contributors from the Irish Sweepstake drum (except that they continually overlook our own entries), but there is no equivalent expert whom one can consult about the reverse process (i.e., the science of mixing as opposed to selecting). What most pharmacists do, of course, is to let the staffs, their relatives, and such customers as have the time to spare take it in turns to shuffle the "A's" until one month's particularly good average indicates that at last someone with the necessary "touch" has been found. When our professional journals realise this they will provide, in addition to advertising sections for Qualified, Unqualified, Locums, etc., a new section devoted (ignoring possible protests from the Postal Workers' Union) to Sorters, and advertisements in the following manner will become commonplace:—

SORTER seeks position. Not qualified, not unqualified, in fact not even remotely interested in pharmacy. Discovered unsuspected talents while delivering laundry to chemists in Wigan area. Outstandingly successful averages for Aug., Sept., Oct. (proved to N.P.U.). Present average 5s. 9d. Ambitious. Aiming at 6s. 3d. for current month.

Attempts to discover from where among the "hundreds," the scripts for pricing are taken have been unsuccessful. Pricing bureaux are sworn to secrecy, and in comparison with their closeness MI5 could be an advertising organisation. Distance is a deliberate bar put up by the Ministry. Our Hampshire pricing, for instance, is carried out in Lancashire and it is a trifle disconcerting to go the expense of sending up spies disguised as cleaners in search of employment only to receive a coded report to the effect that the bureau clerks are locked day and night in padded cells and fed at two-hourly intervals with cap. vitaminorum pushed through the gratings by the highest and least corruptible of Ministry officials.

Then, of course, there is the "S" bundle—the ultimate destination of queries and exclamation marks. Without dragging in either poetry or anatomy, this is without doubt the original bottomless bundle—bottomless because in our recollection we have never been asked to place any particular scripts at the bottom, *always* at the top. What we have been asked to put there varies. At different times the call has been for elastic hosiery forms, scripts bearing extra charges, certain items dispensed from smaller packs than those listed as normal, and now to cap the "top," so to speak, the latest addition: the "no charge" prescription. Our own mathematics being only up to the standard required for the Qualifying examination in pharmacy, we boggle at the conception (which might even make an Einstein think twice) of a flat rectangular figure which has at least four upper surfaces and no officially recognised base. One could put up a good case here for an additional subject for the Qualifying examination syllabus. It would have to do with the difficulties in connection with both "S" and "A" bundles. A sample examination question might read thus:—

You have dispensed a prescription with a net ingredient cost of 4s. 10d. Would you put it (a) in the "A" bundle between two scripts each for a dozen tab. aspirin, in order to increase your "A" average; or (b) in the "S" bundle, trusting to luck that the pricer does not notice that the cost is just under 5s.? If (b) is your answer draw diagrams to illustrate the position of the script in relation to that of (1) a script for an elastic stocking; and (2) a form that carries a D.D.A., a "no charge," an item dispensed from a small pack, and which in any case was returned by the pricing bureau last month for the doctor to dot an "i" in it.

In case the foregoing is considered, by implication, critical of the N.H.S. and those whose function it is to watch our interests therein, the writer declares solemnly that he deplores the current tendency to criticise, in a purely destructive spirit, all matters of public interest from the Suez canal to rock and roll. He therefore offers a helpful constructive suggestion to assist the pricing bureaux. Why not let the pharmacist dispatch the scripts, the clerk take them one by one and price them, and pass his findings on to the man who writes the cheques? Contractors might even be able to assist by putting all their mist. ammon. chlor. co.'s together instead of, as at present, deliberately scattering them. Unfortunately the suggestion seems so devastatingly simple that it must have been thought of before, and for some reason discarded as impracticable.

A Dream

Readers may remember Leigh Hunt's poem about Abou Ben Adhem, who dreamt that the recording angel appeared at his bedside with a list of the virtuous. Abou, being modest, was inclined to think he did not appear in the list, but that very modesty and his benevolent attitude towards his fellows brought it about, at the end of the poem, that "Ben Adhem's name led them all." Well, the other night I was

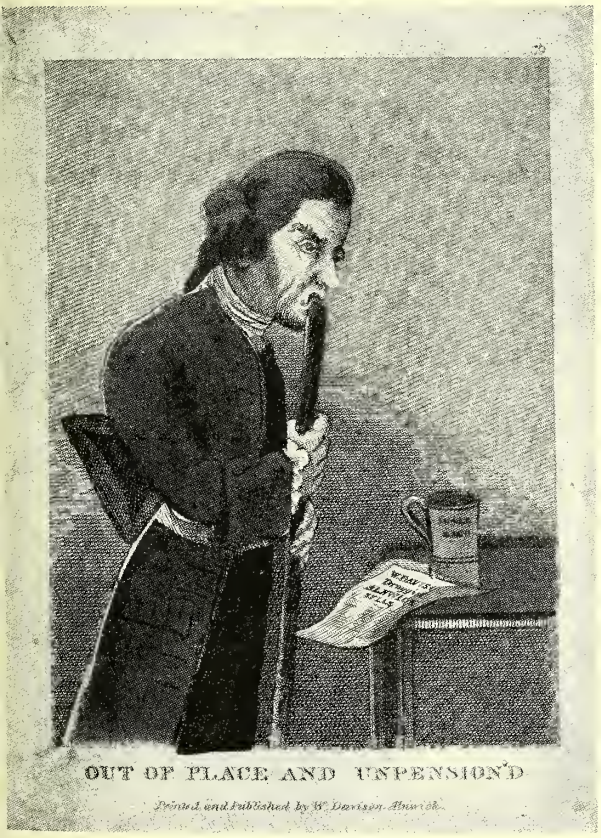
having my monthly nightmare after having dispatched the scripts that day. "Did I or did I not," I worried, tossing and turning, "put the right things at the top of the 'S' bundle?" The sudden appearance of the pharmaceutical Recording Angel did not improve matters. In each hand he held a pile of EC10's (revised, heavenly edition), one marked "S" (for Sinners) on which were inscribed the names of managing pharmacists who had not only failed to sort their scripts correctly but also had not dressed the shop windows lately, were completely hazy about the new soap prices, had not read up fully on prednisolone, and who invariably sent their weekly returns to head office a day late.

Those which he held pleasurably aloft in his other hand were marked "A" (for angels, naturally with a small "a"). Their number was far in excess of those in the "S's," naturally, and they represented all those who have paid their Society subscription by the end of January, who always keep the D.D.A. cupboard locked, who regularly inspect their stock of baby foods before they go out of date, and whose natural intelligence leads them to recognise unerringly what script goes in to what bundle and where. The recording angel (Spt.Fact.Rect.) handed me his scripts to read, and there, just like Ben Adhem's, was my name—right at the top of the "S" bundle!

Onward from Galen

A CURRENT CAUSERIE

MR. John Tinegate, proprietor of the Rexall Pharmacy at 3 High West Street, Dorchester, sends us the cartoon here reproduced. Though, it may be, 100 or 150 years old (there



are no clues apart from the general style of the illustration (an engraving on metal), the nature of the greying paper (for the expert in that field) and—for the local historian—the imprint "Printed and Published by W. Davison, Alnwick"), the cartoon seems to have a bearing on the present day, for its title is "Out of place and unpension'd." The tankard is labelled "Small beer" and the sheet of paper that seems on the point of fluttering to the floor is headed "W. Davison, Druggist, Alnwick, Sells . . . ." In the print the druggist's hair, tunic, cuffs, stick and tankard have been coloured, presumably in water colour and by hand.

★

THE distinguished Italian anatomist and embryologist Romeo Fusari, who was born at Castiglione d'Adda in the province of Milan a century ago on March 1, was the son of a poor teacher who had difficulty in supporting his large family. Romeo worked as a chemist's boy during the day and studied at night. He was admitted to the school of pharmacy at Pavia, but continued to act as assistant at the pharmacy Campagnoli. In 1885 he graduated M.D. and subsequently held in turn the chairs of anatomy and histology at Ferrara, Bologna, Modena, and Turin. He died on March 20, 1919.

★

AFTER the presentation by Allenbury's amateur dramatic society of Agatha Christie's "Murder at the Vicarage" at the Rudolf Steiner Theatre, London, recently, some of the audience needed tranquillisers. The cast succeeded in generating a tension that kept the onlookers on edge as the plot unfolded to its climax. Three confessions did nothing to solve the murder of an unpopular country squire and it was the amateur detection of the maiden Miss Marple (played by Beatrice Bird) which uncovered the murder pact between Squire Protheroe's wife and artist Laurence Redding. Without attempting a detailed appreciation of each actor's performance, one may say how enjoyable was the polished acting of Mary Moyle as Griselda, wife of the vicar (played by Maurice Biggs). Others in the cast were Marion Bradley, Margaret Brien, Jo Pantling, Joyce Ballard, Anthony P. Cox, John Fell, John Donoghue, Patrick Trooker, John Southern and Derek Cox.

A PHARMACIST'S ANTHOLOGY

MEDICALLY EXAMINED

From *Juan in America*, by Eric Linklater

AMONG the other formalities—dwarfing most of them by its portentous circumstance—was a medical examination. No student, it seemed, might sip the Pierian spring of Motley until he had revealed his nakedness to those who guarded it, and so Juan became one of a long procession of self-exhibitors. In turn he submitted to examination by an oculist, a dentist, and an ear-nose-and-throat specialist; to stethoscope and enquiring fingers; to the attentions of an underling who weighed him, measured his chest, and whispering hoarse instructions thrust a little bottle into his hand.

Juan's height was given as five feet ten inches and his weight one hundred and sixty-three pounds. They wrote this upon a card. He had had chicken-pox at the age of four, measles when he was six, his tonsils removed a year later, a collar-bone broken when he was twelve—and half-broken quite recently, a tooth extracted the day after his fourteenth birthday and a boil evacuated in October of the same year—all this was solemnly recorded. He had never suffered from gout, epilepsy, rheumatic fever, gall-stones or neurasthenia; nor from botts, blains, gapes, itch, scab, or scurvy—these evasions were noted approvingly. For three minutes he hopped on one foot; his pulse returned to a normal rate after half a minute; this information was given a prominent position on the card. His normal blood pressure, the location of three metallic stoppings in his back teeth, and his ability to distinguish between red wool and green were also remarked. Then a gentleman with a confidential manner enquired as tactfully as possible whether Juan's immediate relations (if indeed they were still alive) suffered much from mental and pulmonary diseases. Regretfully he noted, on a distant corner of the card, that they were apparently untouched by insanity or the bacillus of tubercle . . . .

KNOW-HOW *(and why)* FOR THE AGRICULTURAL CHEMIST

By STOCKMAN

2. Books

One drawer of a filing cabinet houses a reasonably comprehensive assortment of information collected in this way, but periodicals and manufacturers' leaflets are not all, though they have the advantage of being up to date. A bookshelf is, of course, indispensable, on account of the more thorough treatment accorded by books to their subject, as well as for their more orderly arrangement of matter; and for their more imposing appearance!

It is assumed (wrongly according to statistics) that all chemists' bookshelves sport the current B.P., B.P.C. and Martindale. From the same stables the 1953 British Veterinary Codex is the first of a new line which deserves acceptance and support. Its declared main purpose is the definition of standards, but it will be consulted by retail chemists more for dosages and "action and uses" under the monographs, and for its formulary.

Though designed with a different objective in view, the Chemists' Veterinary Handbook, published by The Chemist and Druggist, inevitably covers some of the same ground, but it explores other territories too. In fact it tends frequently to cover the same ground twice—first ancient and later modern—but it is an informative publication and qualifies for a place on the shelf. It may be noted in passing that the doses and formulas do not necessarily coincide with those found in the B. Vet. C.; for example the C.V.H. (if one may be excused the initials) gives a formula for a dehorning collodion, made up with flexible collodion, which in turn contains 90 per cent. alcohol. It gives an unsatisfactory product. The B. Vet. C. collodion of antimony trichloride, containing dehydrated alcohol, is less unsatisfactory!

Those who are concerned with the supply of mineral and vitamin supplements for farm stock can find two authoritative and sensible handbooks: Rations for Livestock (Bulletin No. 48 of the Ministry of Agriculture and Fisheries, 4s. 6d.); and Nutritional Deficiencies in Livestock (Food and Agriculture Organisation of the United Nations, through H.M. Stationery Office, 5s.). Animal Nutrition by Dr. D. P. Cuthbertson (Seale Hayne Agricultural College, 2s. 6d.) is also worthy of study.

On the veterinary side, the ostentatious or ambitious may display Black's "Veterinary Dictionary" (Miller & West, A. & C. Black, Ltd., 35s.) and, in fact, the new and revised edition of that standard reference work is of practical value to those concerned with animal health. Another book of considerable dimensions, which will add to the imposing appearance of the chemists' library is "Veterinary Parasitology" by Geoffrey Lapage (Oliver & Boyd, Ltd., 1956, 63s.); it is well produced and printed, commendably up-to-date with the recommendations for treatment, and it places the emphasis on parasites that occur in British liverstock. The author shows a deep interest in the relationship between host and parasite. His earlier book "Parasitic Animals" (Cambridge University Press, Cambridge, 1951), which provides a readable introduction to the phenomena of parasitism is, unfortunately, out of print.

Fence-sitting for Profit and Pleasure

There is an excellent and recently revised little book on sheep diseases: "Shepherd's Guide" by Dr. J. Russell Greig (H.M. Stationery Office, 4s.) which is a great help to sheep farmers, veterinary chemists and other laymen concerned with sheep losses. It is unfortunate that a number of veterinary handbooks written for the farmer tend to show a conflict of loyalties. Though addressed to the layman, they show a natural inclination to avoid treading on the toes of the practising veterinary surgeon.

To quote two entertaining examples from the "Dairy Farmer's Veterinary Book" (Norman Barron, Dairy Farmer (Books), Ltd.), under the heading "treatment of husk," it is stated: "As for infected animals, many veterinary surgeons and farmers are convinced that the injection of fluids into the windpipe does good. Where that is the feeling, the treatment should be given without delay." In another chapter occurs the advice "With regard to treatment of acetonæmia, it should be prompt. Your vet. will have his own treatment and should be consulted." Of course, such obscurantism does not fill the book, which does, as they say, fill a need even if it is not that of the pharmacist. By the same author (and publisher) is also the Pig Farmer's Veterinary Book, which may be found useful by some; "Farm Animals in Health and Disease" by W. R. Wooldridge (Crosby Lockwood, 1954, 30s.) is more authoritative and interesting because of its wider basis of reference, as indicated by the title; it provides a useful background of knowledge on a subject concerning which the chemist is not expected to be an expert.

Dr. W. P. Blount is not particularly concerned with the feelings of his veterinary colleagues, and his "Diseases of Poultry" (Bailliere, Tindal & Cox, 1948, 21s.) will be found of considerable value, even though it is now somewhat old —much has happened in the treatment of disease since the book was first published in 1947. Until it is replaced by a more up-to-date version, it merits a place on the bookshelf.

Helminths for Bookworms

Agricultural pests are conveniently divided into animal and vegetable, and the manufacturing firms concerned with the vast market created by such pests are very ready with help and advice on any problems. For our own limited purpose, two books only are essential. "Pests of Farm Crops" by J. H. Stapley (Spon, Ltd., 30s., 1948) deals with the animal pests such as insects, etc., and is written for the farmer and student. A new edition is due in June. Its price is somewhat high considering the size and scope of the book, and, of course, some of the recommended control measures are now out-dated. Nevertheless, it deserves a place, if only for the life histories it gives of the commoner pests.

So far as the vegetable pests are concerned there would be a great difficulty were it not for one modest publication. So numerous have been the discoveries during the past ten to twelve years in the field of chemical weed control that no book could hope to be of much practical use, and in fact all those on the subject of weed control are behind the times almost before they are published. The one exception is the annual British Weed Control Handbook (British Weed Control Council, Cecil Chambers, 86 Strand, W.C.2: the 1957 (5s.) edition is expected to be available at the end of the present month). The gay cover belies the sombre collection of numbered paragraphs and pages of structural formulæ wherein are classified all the weed-killers in common use, the crops on which they can be used, the weeds which can be controlled, and the relevant application rates. Here is a handbook with which every agricultural chemist should be familiar.

If he cannot identify common farm weeds, the pharmacist will need "Farm Weeds" (Shell Chemical Co., Ltd., 5s.) or "Common Farm Weeds Illustrated" by Scovell &

Scovell (Butterworth's Scientific Publications, 15s.); he may like to carry in his pocket "The Observer's Book of Wild Flowers," by W. J. Stoke (Frederick Warne & Co., Ltd., 5s.) and, if he takes himself seriously, even invest in "Handbook of British Flora" (Bentham & Hooker, revised Rendle, Reeve, 1951).

Profit and Cost

The cost of all this is in the region of £10–12 per year. The space occupied: one drawer of a filing cabinet plus one modest bookshelf. And time? Budget for two hours weekly —in odd minutes—and there may be some to spare. Personal satisfaction apart, is it worth it?

"Scientific developments are most quickly introduced to farmers by well-informed salesmen," said Dr. R. E. Slade in his address to the British Association in 1954. In fact, the passing-on of information about new technical developments has become part of the accepted rôle of the salesman, and for good reason. He has been driven to it by the pressure of competition, witness a recent front-cover advertisement (full colour, £550) in one of the national farming weeklies, the gist of which was "When you can't remember whether you need DDT, PCP, MCP or DCPA, consult your local —— Fieldsman who will know the answer and be able to help you quickly and efficiently." That is but one of a number of firms who consider it worth-while to advertise their advisory abilities.

Having reached a stage where technical knowledge is the surest weapon of the salesman, the specialist finds himself well armed—provided that he keeps himself from getting rusty. In the vast market for agricultural chemicals and veterinary drugs the pharmacist can, if he chooses, operate from a position of considerable strength.

The complaint is often voiced that the professional side of pharmacy is dependent, in retail business, on the subsidy of commercialism; and by commercialism is usually meant selling goods that detract from the ethical aspect of pharmacy. Those chemists who are suitably situated can, by becoming experts in phytopharmacy, keep their professionalism and make it profitable. And that has been the ambition of most of us on qualifying, before it was stifled by the corrupting influence of hard times.

PHARMACIST CANDIDATES IN IRISH ELECTION

Society's president urges support by members

IN the general election in the Republic of Ireland on March 5, five pharmacists are standing as candidates. They are Messrs. Philip A. Brady (Dublin South Central), Frank Loughman (South Tipperary), Michael M. Pettit (Laois-Offaly), Patrick Teehan (Carlow-Kilkenny) and Luke Colleran (Sligo-Leitrim).

Mr. P. F. McGrath (president, Pharmaceutical Society of Ireland) and the Society's Council have appealed to pharmacists and their associates to support representatives of the profession in the election (see *C. & D.*, February 23, p. 218). The lack of such representation has been keenly felt during the past few years when health legislation has been passed through the Oireachtas. A Pharmacy Bill will probably be enacted by the new Government and for that reason it is important to pharmacy that, irrespective of party affiliations, it should have some deputies in the new Dail.

The Candidates

MR. PHILIP A. BRADY, a proprietor-pharmacist, is a former president of the Pharmaceutical Society of Ireland and of the Irish Drug Association, and is at present a member of the Society's Council. He has a wide experience of public life as a member of the Dublin Corporation and as governor of several Dublin hospital boards. He is chairman of the Corporation's cultural committee and a member of the public health committee. Mr. Brady has done much to protect the interests of the profession and eliminate abuses in the use of the public dispensaries and clinics. He was a member of the Dail from 1951 to 1954.

MR. FRANK LOUGHMAN is also well experienced in public life. For many years he has served in one or other of the Houses of the Oireachtas and is also a member of the Society's Council. He has been of great assistance in the Council's discussions on the recent health legislation, and in the drafting of proposals for a new Pharmacy Bill. His return to the Dail now would be especially valuable, since he is an able and convincing speaker who was held in esteem by members of all parties when he sat as a deputy. He has had his own pharmacy in Clonmel for many years.

MR. MICHAEL M. PETTIT is also a proprietor-pharmacist with a considerable experience of public affairs. He qualified as an honours man of the Society in 1926 and a year later opened his own pharmacy at Clara, Offaly. In 1942 he was elected a member of the Offaly county council, and his service on that body has been such that he has been continually re-elected. He is chairman of the Portlaoighise Mental Hospital. His main aim if he is returned to the Dail will be to have the pharmacist given his rightful place in the health services of the State.

MR. PATRICK TEEHAN, formerly a senator, has decided to stand for the Dail. He has had his own pharmacy at High Street, Kilkenny, for several years, during which time he has taken an active interest in pharmaceutical affairs. He was one of the leading members of the local chemists' association in that area and in recent years he has ventured into farming and auctioneering, although still retaining a close link with his old profession.

MR. LUKE COLLERAN is a retail pharmacist. He has taken a prominent part in the public life of his area as a county councillor. His wide knowledge of local administration should be an asset if he secures election to the Dail. Mr. Colleran lives at Curry, co. Sligo, and qualified as a licentiate of the Society in 1930.

PERSONALITIES

MR. K. C. H. WESTCOTT, M.P.S., who has retired, managed the High Street, Chippenham branch of Boots Pure Drug Co., Ltd., from 1925. He was apprenticed to Messrs. Boots at Bristol and qualified in 1921.

MR. SPENCER C. MORT, M.P.S., Lincoln, has been invited by Lincoln council to become city sheriff. Mr. Mort, who is in business as a chemist at 61 West Parade, Lincoln, is secretary of Lincoln Pharmaceutical Committee and a member of Lincoln Executive Council.

MR. CYRIL POYNTON, assistant sales manager, chemicals trade sales department of Newton Chambers and Co. Ltd., has resigned from the company after nine years. At an informal leave-taking ceremony recently, Mr. F. R. James (trade sales manager) paid tribute to Mr. Poyton's work and presented him with a travelling clock and a document case on behalf of his colleagues.

MR. E. N. PULLOM, M.P.S., joined the staff of the *Pharmaceutical Journal* on March 1, and on May 1 succeeds Mr. W. K. Fitch, M.P.S., as editor, Mr. Fitch continuing as the Pharmaceutical Society's publications manager. Since 1951, editor of the *Export Review of the British Drug and Chemical Industries*, Mr. Pullom was before that date on the editorial staff of THE CHEMIST AND DRUGGIST. He had previous experience in hospital and retail pharmacy.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor.

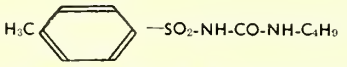
THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

RASTINON «Hoechst» *

DISTRIBUTOR: Horlicks, Ltd., Slough, Bucks (in United Kingdom).

MANUFACTURER: Hoechst Pharmaceuticals, Ltd., Slough, Bucks.

DESCRIPTION: Tablets, each containing 0·5 gm. N-butyl-N′-toluene-parasulphonyl urea (tolbutamide):—



INDICATIONS: Control of certain types of diabetes mellitus.

DOSAGE: (For general guidance), first day, 6 tablets (4–8); second day, 5 tablets (3–6); third day, 4 tablets (3–5). On subsequent days, 1–3 tablets each (½–4). The daily amount required in any individual is determined from data obtained from medical supervision.

HOW SUPPLIED: In bottles of 100 and 500.

FIRST ISSUED: November 12, 1956.

REFERENCES: Kinsell and others, *Science*, 1956. **123.** 585. Miller and Dulin, *Ibid.*, 1956. **123.** 584. Mirsky and others, *Ibid.*, 1956. **123.** 583. Young, *Brit. med. J.*, 1956. **2.** 431. Wolff and others, *Ibid.*, 1956. **2.** 440.

NOTE: Available to hospitals only.

*Cross reference for card index:

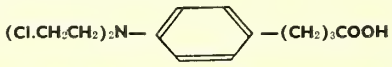
TOLBUTAMIDE: See Rastinon «Hoechst».

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

LEUKERAN *

MANUFACTURER: Burroughs Wellcome & Co. (The Wellcome Foundation, Ltd.), 183 Euston Road, London, N.W.1.

DESCRIPTION: Tablets, each containing 2 mgm. or 5 mgm. Leukeran brand of chlorambucil (compound CB 1348), which is a derivative of nitrogen mustard. Chemically it is *p*-(di-2-chloroethylamino)-phenylbutyric acid, and has the following structural formula:—



INDICATIONS: Follicular lymphoma, lymphocytic lymphoma with or without leukæmia, and Hodgkin's disease.

DOSAGE: Usually 0·2 mgm. per kilo bodyweight daily for three to six weeks, as required.

HOW SUPPLIED: In bottle of 100.

FIRST ISSUED: November 12, 1956.

NOTE: Medical supervision is essential during Leukeran therapy.

REFERENCES: Altman and others, *Cancer*, 1956. **9.** 512. Bollag, *Schweiz. med. Wschr.*, 1953. **83.** 1027. Bouroncle and others, *Arch. intern. Med.*, 1956. **97.** 703. Elson, *Brit. J. Hæmatol.*, 1955. **1.** 104. Galton and others, *Brit. med. J.*, 1955. **2.** 1172. Ultman and others, *J. Amer. med. Ass.*, 1956. **162.** 178.

*Cross reference for card index:

CHLORAMBUCIL: See Leukeran.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

STERISIL

MANUFACTURER: William R. Warner & Co., Ltd., Power Road, London, W.4.

DESCRIPTION: A vaginal gel containing 0·1 per cent. hexetidine.

INDICATIONS: Vaginitis caused by *Trichomonas, Monilia, Haemophilus vaginalis* and other bacteria.

DOSAGE: 7 mils instilled into the vagina on alternate nights.

HOW SUPPLIED: In tube of 1½ oz. with six disposable applicators.

FIRST ISSUED: December 3, 1956.

REFERENCE: Gardner and others, *Amer. J. Obstet. Gynec.*, 1955. **69.** 962.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

CORTRIL LOTION

MANUFACTURER: Pfizer, Ltd., Sandgate Road, Folkestone, Kent.

DESCRIPTION: A lotion containing 0·5 or 1 per cent. of hydrocortisone alcohol in an aqueous vehicle.

INDICATIONS: 1. Atopic dermatitis, including allergic eczema, disseminated neurodermatitis, food eczema and infantile eczema.
2. Contact dermatitis due to plants, detergents, cosmetics, clothing material and miscellaneous substances.
3. Non-specific pruritus of the anus, vulva and scrotum.

USE: After thorough cleansing of the affected area, a small quantity of the lotion is applied to the lesion and gently rubbed in with a clean finger, taking care not to damage the skin. At the beginning of treatment, the lotion may be applied up to four times a day. The frequency of applications may then be decreased depending on response.

HOW SUPPLIED: In 20-mil plastic dropper bottles.

FIRST ISSUED: December 3, 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

CORTISPORIN ointment

MANUFACTURER: Burroughs Wellcome & Co. (The Wellcome Foundation, Ltd.), 183 Euston Road, London, N.W.1.

DESCRIPTION: An ointment containing Aerosporin (polymyxin B sulphate), 5,000 units; bacitracin, 400 units; neomycin sulphate, 5 mgm.; hydrocortisone (free alcohol), 5 mgm.; petroleum jelly base to 1 gm.

INDICATIONS: Bacterial infection and inflammation of the skin, the eye and conjunctiva and external ear.

USE: A thin film of the ointment is applied two to four times daily, depending on the severity of the condition.

HOW SUPPLIED: In tube of 10 gm. with special nozzle.

FIRST ISSUED: January 1, 1957.

REFERENCE: Levin and Sutton, *Amer. Practit.*, 1956. **7.** 594.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

CHLOROMYCETIN APLICAPS

MANUFACTURER: Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex.

DESCRIPTION: Aplicaps are specially shaped gelatin capsules with elongated tips, each containing 250 mgm. of Chloromycetin ophthalmic ointment, 1 per cent., the quantity suitable for a single application. They are primarily designed for use in out-patient departments of hospitals to avoid cross-infection.

INDICATIONS: As for Chloromycetin ophthalmic ointment, 1 per cent.

USE: Tip is cut with a clean instrument and contents ejected. Any residue is discarded.

HOW SUPPLIED: In bottles of fifty and 250.

FIRST ISSUED: November 12, 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

POLYBACTRIN

MANUFACTURER: Calmic, Ltd., Crewe Hall, Crewe, Ches.

DESCRIPTION: A dry antibiotic powder spray containing neomycin sulphate, 750 mgm.; polymixin B sulphate, 150,000 units; zinc bacitracin, 37,500 international units; propellent (dichlorotetrafluoroethane), 83·5 gm.

INDICATIONS: For application to tissue surfaces in all branches of surgery.

DOSAGE: A minimum dispersion of the powder is sufficient to give complete inhibition of susceptible organisms.

HOW SUPPLIED: In aerosol pack (glass bottle covered with PVC and fitted with Vapsol valve) containing 85 gm. net.

FIRST ISSUED: November 12, 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

PHYLDROX

MANUFACTURER: Carlton Laboratories (Southern), Ltd., Preston Street, Brighton, Sussex.

DESCRIPTION: TABLETS, plain or enteric-coated, each containing theophylline, 128 mgm.; ephedrine hydrochloride, 25 mgm.; phenobarbitone, 8 mgm.
SUPPOSITORIES, each containing aminophylline, 0·36 gm. in cocoa butter base.

INDICATIONS: For symptomatic relief in asthma, and some allergic disorders.

DOSAGE: 1 tablet every four hours or as directed by the physician. Both the plain and the enteric-coated tablet may be taken last thing at night.

HOW SUPPLIED: TABLETS, PLAIN, in bottles of fifty and 250; ENTERIC-COATED, in bottles of forty and 250. SUPPOSITORIES, in box of six. FIRST ISSUED: November 1, 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

DI-ADRESON*

MANUFACTURER: Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2.

DESCRIPTION: Tablets (scored), each containing 5 mgm. prednisone.

INDICATIONS: As for cortisone and hydrocortisone.

DOSAGE: *Adults,* initially, 20–60 mgm., daily (maintenance, 5–20 mgm. daily); *Children,* initially, 0·5 mgm. per kilo bodyweight daily (maintenance, 0·25 mgm. per kilo bodyweight daily). The daily dose should be divided and taken after meals.

HOW SUPPLIED: In bottles of thirty, 100 and 500 tablets.

FIRST ISSUED: November 1, 1956.

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*New cross reference for card index:
PREDNISONE: See Deltacortone and Di-Adreson.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

DI-ADRESON-F*

MANUFACTURER: Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2.

DESCRIPTION: Tablets (scored), each containing 5 mgm. prednisolone.

INDICATIONS: As for cortisone.

DOSAGE: *Adults,* initially, 20–60 mgm. daily (maintenance, 5–20 mgm. daily); *Children,* initially, 0·5 mgm. per kilo bodyweight daily (maintenance, 0·25 mgm. per kilo bodyweight daily). The daily dose should be divided and taken after meals.

HOW SUPPLIED: In bottles of thirty, 100 and 500.

FIRST ISSUED: November 1, 1956.

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*New cross reference for card index:
PREDNISOLONE: See Codelcortone, Cordex, Deltacortril, Delta-Stab and Di-Adreson-F.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

ADRESON

MANUFACTURER: Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2.

DESCRIPTION: Intramuscular injection and tablets for oral administration, containing cortisone acetate, 25 mgm. per c.c. and 25 mgm., respectively.

INDICATIONS: Rheumatoid arthritis; collagen diseases (disseminated lupus erythematosus, polyarteritis, dermatomyositis), acute rheumatism, sarcoidosis; allergies, certain blood diseases. As replacement therapy in Addison's disease.

DOSAGE: *Orally or intramuscularly,* 50–200 mgm. daily according to the severity of case and response to treatment. *Replacement therapy,* 12·5–50 mgm. daily. Treatment should be terminated gradually.

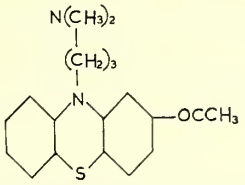
HOW SUPPLIED: *Injection:* In 10-c.c. vial; *Tablets:* In bottles of twenty, forty and 500. FIRST ISSUED: November 1, 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

NOTENSIL

MANUFACTURER: Benger Laboratories, Ltd., Holmes Chapel, Ches.

DESCRIPTION: Tablets each containing 25 mgm. or 10 mgm. 3 acetyl-10-(3-dimethylamino propyl) phenothiazine maleate.



3 Acetyl-10-(3′-dimethylamino propyl) phenothiazine

INDICATIONS: Management and treatment of psychotic disorders associated with mental tension; suppression of nausea, vomiting and hiccough; treatment of drug addiction; control of intractable pain.

DOSAGE: Initially, 10–20 mgm. three times a day, increased if necessary.

HOW SUPPLIED: In packs of thirty and 1,000 10-mgm. tablets and 100 and 1,000 25-mgm. tablets.

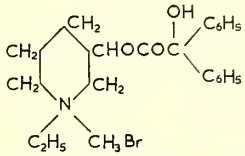
FIRST ISSUED: November 5, 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

PIPTAL

MANUFACTURER: Benger Laboratories, Ltd., Holmes Chapel, Ches.

DESCRIPTION: Anticholinergic tablets, each containing 5 mgm. N-ethyl-3-piperidyl-benzilate methobromide, the formula of which is:—



INDICATIONS: Peptic ulcer, cardiospasm, hiatus hernia, and pylorospasm.

DOSAGE: 1 tablet thrice daily and 1–2 at bedtime.

HOW SUPPLIED: In bottles of fifty and 500.

FIRST ISSUED: December 12, 1956.

REFERENCES: Reise, *Amer. J. Gastroenterol,* 1955. **23.** 223. McHardy and others, *Amer. J. Gastroenterol,* 1955. **24.** 601. Steigmann and others, *Fed. Proc.,* 1954. **13,** 408. Klotz, *Amer. J. dig. Dis.,* 1956. **1.** 108. Texter and others, *Clinical Res. Proc.,* 1955. **3.** 22. Steigmann and Dolehide, *Amer. J. dig. Dis.,* 1955. **22.** 37. Chen, *J. Pharmacol. exper. Ther.,* 1954. **112.** 64

THE CHEMIST AND DRUGGIST Guide to New Medicaments (March 2, 1957).

SIGMAMYCIN

MANUFACTURER: Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent.

DESCRIPTION: Capsules each containing 167 mgm. tetracycline and 83 mgm. oleandomycin as the phosphate salt.

INDICATIONS: Tetracycline is of therapeutic value in a wide range of infections due to Gram-positive and Gram-negative bacteria, rickettsiae, spirochaetes, large viruses and *Entamoeba histolytica.* Oleandomycin is effective in the treatment of a number of infections including those caused by pneumococci, staphylococci, and streptococci, as well as certain Gram-negative bacteria (not including the enteric coli-aerogenes group). The two antibiotics act synergistically and the emergence of organisms resistant to either antibiotic is delayed.

DOSAGE: *Usual adult,* 1–2 capsules four times daily; *children,* proportionately less. In overwhelming infections a higher dosage may be recommended. The daily dosage should be given in four equal portions at intervals of six hours with cold milk or a light meal.

HOW SUPPLIED: In bottles of sixteen and 100.

FIRST ISSUED: January 3, 1957.

REFERENCES: English and others, *Antibiot. and Chemother,* 1956. **6.** 511.

NOTES ON NEW MEDICAMENTS

Comments on items given in Guide to New Medicaments (p. 244), especially to show their relationship—pharmacological or chemical—with other products or compounds.

POLYBACTRIN.—An elegant and practical application of the aerosol principle of skin medication. Contains a suspension of three antibiotics under pressure of an inert gas in a plastic-coated glass container. The product is designed to ensure adequate and effective spread over wound surfaces, and as the propellent is non-toxic and evaporates, the antibiotics are applied without any interfering vehicle.

CORTISPORIN. — Contains the three antibiotics most effective against the bacteria commonly found in local infections. Bacterial resistance is rare, and local sensitisation of the skin very uncommon. Hence use of other antibiotics for systemic use in the future not prejudiced. A number of other products for local use contain one antibiotic in association with hydrocortisone, but Hydroderm contains two (neomycin and bacitracin). Several mixed antibiotic preparations not containing hydrocortisone also exist, and include Neobacrin, Cicatrin, Polybactrin, Polyfax, Prinexin, and Terramycin with polymyxin.

LEUKERAN. — Chlorambucil or CB 1348. *Chemistry:* A phenylbutyric acid derivative of nitrogen mustard. Most of the new derivatives of mustine are more stable and less toxic than the parent drug, and are often active orally. The compound acts as a cytotoxic agent by its inhibitory effect on cell growth. Other substances used in Hodgkin's disease and various leukaemias include tri-ethylene-melamine, or tretamine, 6-mercapto-purine (Puri-nethol), bisulphan (Myleran), demelcolcine (Colcemid), urethane, and more recently, nitrogen mustard oxide (Mitomen, Nitromin).

PHYLDROX.—A mixed preparation designed to augment the action of aminophylline by admixture with a bronchodilator (ephedrine), and a central nervous system depressant (phenobarbitone). Similar preparations containing theophylline with sedatives and other auxiliary drugs include Franol, Tedral, Fydalex, Theodrox with phenobarbitone. Iso-bronchisan contains theophylline with ephedrine and isoprenaline.

STERISIL. — This product contains hexetidine, or bis - ethylhexyl - 5 - methyl - 5 - aminohexa - hydro-pyrimidine. The compound has a wide range of antibacterial activity, but part of its therapeutic value is said to depend on its affinity for tissues. Other applications designed for the treatment of vaginitis include Aci-jel and Penotrane cream. Tritheon and Trichorad are preparations containing acetamidonitrothiazole, and intended for oral treatment of trichomoniasis in male and female.

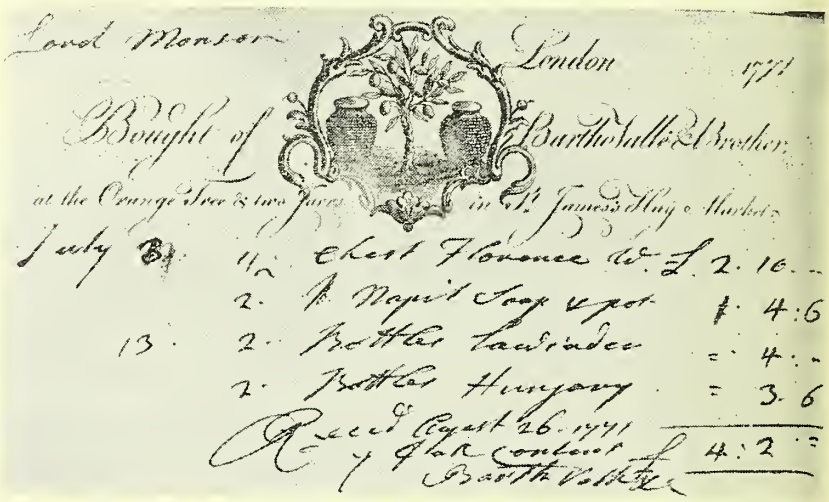
RASTINON (Hoechst). —*Chemistry:* N-butyl-N' toluene-parasulphonyl urea. That substance, although a sulphonamide derivative, has no chemotherapeutic action. Taken orally, it lowers the blood sugar, and is being used for its "insulin-sparing" action in the treatment of diabetes mellitus. The mode of action is as yet unknown, but it has been shown that its effect depends upon an initial level of insulin in the body. The drug may therefore act by inhibiting the effect of an insulin-destroying enzyme, thus enabling residual endogenous insulin to continue to function. BZ55, also known as Invenol, Bucrol or carbutamide, is a similar compound.

NOTENSIL. — *Chemistry:* 3-acetyl-10-(3-dimethylaminopropyl) phenothiazine maleate. A tranquillising drug, acting as a central nervous system depressant on the mid brain, and also as an adrenolytic. That latter action inhibits reactions that might cause an increased blood pressure, and accentuate stress symptoms. Other tranquillisers of a basically similar structure include Largactil (chlorpromazine) Pacatal, Covatin and Sparine. Benactyzine has a much simpler structure.

PIPTAL.—*Chemistry:* N-ethyl-3-piperidyl-benzilate methobromide. That anticholinergic compound is a spasmolytic drug without many of the side effects of atropine, of low toxicity, and high activity. Similar drugs include propantheline (Probanthine), Antrenyl, Buscopan, dicyclomine (Wyovin), Monodral, Pamine, Profenil and tricyclamol (Elorine, Lergine).

SIGMAMYCIN.—A synergistic combination of tetracycline and oleandomycin that covers a wide range of organisms. Emergence of resistant strains is stated to be delayed by such a combination. Tetracycline alone is available as Achromycin and Tetracyn; oleandomycin is issued as Matromycin and Romicil.

A LOCAL "BYGONE"


Lord Monson London 1771
Bought of Bartholulle & Brother
at the Orange Tree & two Jars in St James's Alley Market
July 13. 1½ Chest Florence W. £ 2. 10. –
2. ℔ Napit Soap 4 pot 1. 4:6
2. Bottles Lavender = 4. –
2. Bottles Hungary = 3. 6
Received August 26. 1771 £ 4. 2. =
by Clark Contract
Bartholulle

Though the items on Lord Monson's bill would today be obtainable from a pharmacy, Bartho Valle and Brother were rather perfumers. Their trade sign was an orange tree and two jars. The bill, dated 1771, is in the Lincoln Archives Office.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Salaries and N.H.S. Remuneration

SIR,—The Whitley Council salaries for all grades in the Hospital Services are out of all proportion to wages and salaries earned in the industrial and commercial spheres, though there the Whitley Council figures are meaningless: every private chemist, Co-operative society or multiple must offer more to get staff at all. So why have such bodies at all, unless it is another "government idea" to fix salaries as low as possible (on paper) as a basic figure for their accountants to start from in fixing rates for N.H.S. dispensing.

LOCUM

Services Given Free

SIR,—E. C. Tenner's remarks about a merchandising policy (*C. & D.*, February 16, p. 192) and references in the same issue to the "jug and bottle" department set me thinking about the problem of the scrap of paper calling for, say, threepennyworth of several preparations! It seems to be the custom hereabouts to supply the amounts asked for at National Pharmaceutical Union list prices, making no addition for professional services. I do not get many of them, but the demand could well grow as money gets tighter. Could we have agreement on what and how to charge in those cases? Perhaps the N.P.U. could give us a lead?

Clay Cross, nr. Chesterfield R. CRAVEN

Saturdays for Shopworkers

SIR,—For many years it has been the practice of a large proportion of the population to work a five-day week, with all Saturday off. When will shopworkers realise that that is an unfair discrimination by the rest of a community, which already has its weekends free? It is high time that we adopted the policy of all-day Saturday closing with, if necessary, one late night which —wages being paid on Wednesday or Thursday—would obviate the present mad Saturday scramble. That system has worked in New Zealand for years, Australia and Tasmania have Saturday half-day closing, with West Germany following suit next January. It makes my blood boil to see adolescents stuck behind a shop counter on a Saturday when they could be exercising their bodies in the open air. Any proposals that omit the possibility of Saturday leisure for shopworkers are bound to fail, the only possible alternative being a general Saturday half-day closing.

London, W.14 D. FINLASON

Appreciated

I WOULD not let this opportunity pass without expressing my appreciation and thanks for the assistance and advice given to me by your staff over the years.—*H.B.*

JUST a message of appreciation of the feature "A Table of Antibiotics" (*C. & D. Diary and Year-book*, 1957, pp. 336–38) to which I've added the "Supplementary" on p. 220 of this week's *C. & D.*—W.S.C.

DID YOU READ IT?

The answer to "Can You Read It?" (p. 235) is "Tabs. Ostocalcium, gr. x. Sig. 1 tab. b.d. Mitte 40."

Favoured Treatment

THE little luxuries extended to ailing children do not often include an ingratiating medicine. There is a need for palatable and harmless forms of the drugs given to young patients. Aspirin, one of the commonest, is, for instance, one of the most unpleasant, and can be harmful to the delicate gastric mucosa.

On the other hand, most children will readily take aspirin in the form of *Junior Paynocil*. These tablets are really pleasant to take; they disperse instantly on the tongue without water, and minimise the risk of gastric irritation due to aspirin.

Junior Paynocil tablets each contain 2½ grains of aspirin and 1¼ grains of glycine. Besides speeding disintegration and eliminating the unpleasant aspirin flavour, glycine confers on each aspirin particle a lubricant, demulcent and protective barrier.

Junior PAYNOCIL

Packages

Cartons of 20 in sealed foil strips.

Tax free dispensing packs of 240.

Basic N.H.S. cost: 12/-.

PRICE NOW REDUCED.

C. L. BENCARD LTD., PARK ROYAL, LONDON N.W.10

Haemophilus influenzae

in chronic bronchitis this organism may be found in as many as 80 per cent. to 90 per cent. of patients with purulent sputum.

Lancet, 1954, ii, 839

Haemophilus influenzae

in acute mucopurulent tracheobronchitis, H. influenzae may be isolated in about 83 per cent. of cases and in 48 per cent. in practically pure culture

Proc. Roy. Soc. Med., 1956, 49, 773

Haemophilus influenzae

may be inhibited in vitro by concentrations of oleandomycin as low as 0·078 microgramme/ml.

Antibiot. Ann. 1954/55 p. 287

'ROMICIL'

Trade Mark Brand

OLEANDOMYCIN

The ROCHE Antibiotic

Packings: Capsules of 100 mg. and 250 mg. in boxes of 12 and 100.

ROCHE PRODUCTS LIMITED, 15 MANCHESTER SQUARE, LONDON, W.1.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, FEBRUARY 27: An increasing number of CRUDE DRUGS are in tight supply on the spot, and there is little or no hope of any early easing of that position. With the shortage of shipping caused through the Suez Canal closing, Continental countries have been looking to London for several items which, for the past few years, they have been buying direct from origin.

Of particular interest to overseas buyers has been Tinnevelly SENNA LEAVES and—since London is in the same position for replacements as the purchasers—usual holders have virtually cleared their stocks. Unlike previous years, 1957 is expected to see a demand for the dry crop for April shipment, tiding over consumers' demands until the wet crop is ready later in the year. Meanwhile there are limited quantities of Tinnevelly PODS, though hand-picked Alexandrian are more difficult to find. A fair amount of Brazilian MENTHOL has also been sold to the Continent during the week. After an absence of several months a small quantity of Para TONQUIN BEANS was offered on the spot at 10s. per lb.; business was last done in that commodity at 6s. 6d. per lb., so the new price amply reflects the shortage of new crop at origin. QUILLAIA bark was slightly easier for shipment at 185s. per cwt., c.i.f. PEPPERS were also easier in all positions because of the absence of buying interest. Spanish ACONITE was threepence per lb. lower at 3s. 3d., duty paid. Available again, but in limited quantities, were silver-grey and black-brilliant COCHINEAL from the Canary Isles. SHELLAC began the week easier on the spot, but hardened at origin. Jamaican GINGER eased by 25s. per cwt., while spot African was again lower with the approach of new crop material.

British producers of THEOBROMINE are facing strong competition from Dutch sellers, and to meet that pressure have cut the 1-cwt. rate for the ALKALOID by 4s. per lb. CALAMINE was marked up by 1½d. per lb. by at least one producer.

VEGETABLE OILS tended easier. With the fall in value of Indian CASTOR OIL, home-produced oil was reduced by £20 per ton. English sweet ALMOND was lower by sixpence per lb., while B.P. OLIVE was down by an equivalent amount. Among the ESSENTIAL OILS, Spanish ROSEMARY continued scarce, with holders asking one shilling per lb. more at 7s. 6d., duty paid.

EXCHANGE RATES ON LONDON

At the opening on Wednesday

*Alexandria .	Piastres to £	97¼–97¾
Amsterdam .	Florins to £	10·56–10·72
*Bombay ...	Shillings to rupee	1/5 13/16–1/6 1/16
Brussels ...	Francs to £	138·95–141·05
Copenhagen	Kronor to £	19·19½–19·48½
Dutch West Indies ...	Florins to £	5·26–5·29
*Hong Kong	Shillings to $	1/2 13/16–1/2 15/16
*Karachi ...	Shillings to rupee	1/5 13/16–1/6 1/16
Lisbon	Escudos to £	79·90–81·10
*Montreal ...	Dollars to £	2·67 15/16–2·68 1/16
New York...	Dollars to £	2·78–2·82
Oslo	Kronor to £	19·85–20·15
Paris	Francs to £	972·6–987·3
Stockholm...	Kronor to £	14·37⅝–14·59½
*Singapore ...	Shillings to $	2/3¾–2/4
Zurich	Francs to £	12·15 3/16–12·33 9/16

*Free market rates; remainder Bank of England. Bank rate: 5 per cent. from February 7.

Pharmaceutical Chemicals

ADRENALINE. — Rates for synthetic B.P. are from 1s. 1d. (500-gm. lots) to 1s. 6d. (10-gm.) per gm. and ACID TARTRATE, B.P., from 9d. to 1s.

AMMONIUM ACETATE. — 1-cwt. lots of B.P.C. are quoted at 3s. 9d. per lb.

AMMONIUM BICARBONATE. — The B.P. powder is £50 5s. per ton; CARBONATE is £81 10s. for lump and £85 10s. for powder, all delivered terms.

AMMONIUM CHLORIDE, B.P. — Makers quote 1-cwt. lots at 68s.

ANEURINE HYDROCHLORIDE. — Price per kilo is £19 2s. 6d. with 10-kilo lots at £18 17s. 6d. per kilo.

ASCORBIC ACID. — Rates per kilo: 1 kilo, £4 18s.; 10 kilos, £4 16s. SODIUM ASCORBATE is offered at the same prices.

ASPIRIN. — Prices are as follows:— 5-cwt. lots, 4s. 7d. per lb.; 1-cwt., 4s. 9d.

CALAMINE.—1-cwt. lots are 2s. per lb.; 5-cwt., 1s. 9d.; 1 ton, 1s. 8½d.

CALCIFEROL.—B.P. is 3s. 2d. per gm. for 2-kilo lots.

CALCIUM PANTOTHENATE.—Price per kilo is £22 17s. 6d.

CARBROMAL. — B.P.C. is 21s. per lb. delivered in returnable packing.

CHALK.—Prepared powder, B.P., is £22 per ton for minimum 1-ton lots ex makers' works.

CHLORAL HYDRATE. — In 1-cwt. lots the price is about 3s. 10d. per lb. as to holder.

CHLORBUTOL.—28-lb. lots are at the rate of 10s. per lb.

CHLOROCRESOL.—Pharmaceutical quality is quoted as 7s. 2d. per lb. for 1-cwt. lots.

CHLOROXYLENOL.—B.P. quality is 5s. 3d. per lb. for 1-cwt. lots and 5s. 1d. for 10-cwt.

CITRATES. — Rates (per lb.) for 1-cwt. and 5-cwt. lots are as follows:—

	1-cwt.		5-cwt.	
	s.	d.	s.	d.
SODIUM*	4	1½	3	1½
POTASSIUM*	3	9½	3	8½
IRON AND AMMONIUM†	3	2½	4	0½

*Powder is 2d. per lb. more.
†Scales are 9d. per lb. more.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

CREOSOTE.—B.P. quality, ex beechwood, is from 6s. 9d. to 7s. 6d. per lb.

CYANOCOBALAMIN. — Less than 10 gm. lots are £87 10s. per gm.

DEXTROSE. — Rates are as follows:— MONOHYDRATE, B.P., 1-lb., 1s. 11½d.; 7-lb. 11s. 10d.; 28-lb., 43s.; free packages, less 12½ per cent. to wholesalers. In bulk, 1-ton lots, £90 ex works. ANHYDROUS, B.P., 7-lb., 14s.; 14-lb., 26s. 3d.; 28-lb., 49s. (terms as for monohydrate). 1-ton lots, £107 10s. ex warehouse.

FOLIC ACID.—B.P. and U.S.P. is offered at 4s. 8d. per gm. in 1-kilo lots.

MAGNESIUM PEROXIDE.—Price (per lb.) for 1-cwt. lots of B.P.C. (15 per cent.) is 3s. 11d.

MAGNESIUM SULPHATE.—Quotations for B.P. in minimum 1-ton lots vary between £17 10s. and £21 per ton according to size of crystal and manufacturer. Exsiccated is £42 per ton. All ex works.

MENAPHTHONE.—B.P. is £11 per kilo; ACETOMENAPHTHONE, B.P., £11; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.), £15 per kilo.

NICOTINAMIDE. — Prices per kilo are now: 1 kilo, 92s. 6d.; 10 kilos, 90s.; 50 kilos, 88s. 6d.

NICOTINIC ACID. — Prices per kilo are 57s. 6d. for 1-kilo and 53s. 6d. for 50-kilo lots.

NIKETHAMIDE. — Prices per kilo are:— 1-kilo, 113s.; 50-kilo, 105s.

POTASSIUM BROMATE.—In 5-cwt. lots the price is 5s. 3d. per lb.

POTASSIUM 8-HYDROXYQUINOLINE SULPHATE.—1-kilo is 47s. 1d. and 50 kilos, 44s. per kilo.

POTASSIUM HYDROXIDE.—B.P. sticks are from 6s. 6d. per lb.; technical, flake, 1s. 4d.

PYRIDOXINE. — Manufacturers' rate for 1-10 kilos is £135 10s. per kilo.

RIBOFLAVINE. — Price (per kilo) is £24 17s. 6d. for 1-kilo and £24 15s. for 10-kilo lots.

SALICIN.—Quoted at 18s. 6d. per oz.

SODIUM ACETATE.—B.P.C. in 28-lb. lots is 2s. 2d. per lb.; 1-cwt., 1s. 9d. per lb.

SODIUM BROMATE.—1-cwt. lots are quoted at 9s. 9d. per lb.

SODIUM CARBONATE. — B.P. exsiccated is 60s. 6d. per cwt.

SODIUM CHLORIDE. — Re-crystallised is 30s. per cwt.

SODIUM PERBORATE. — Prices (per cwt.) are 145s. 9d. in 1-cwt. kegs; 138s. 3d. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). Other strengths *pro rata*. The PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is 309s. 9d. per cwt.

SODIUM PERCARBONATE. — Prices (per cwt.) about 166s. 9d. (bags, 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

SODIUM SALICYLATE.—Rates are now:— 1-ton lots in bulk, 3s. 7d. per lb.; 5-cwt., 3s. 8d.; 1-cwt., 3s. 10d.

THEOBROMINE. — Prices for 1-cwt. lots of ALKALOID are 26s. 6d. per lb. and SODIUM SALICYLATE, 22s.

THEOPHYLLINE.—1-cwt. lots of ALKALOID, ANHYDROUS, are quoted at 20s., and the B.P. at 19s. per lb.; AMINOPHYLLINE is unchanged at 20s. per lb.

VITAMIN A. — Synthetic. Supplied in strengths of 200,000 international units per gm. the price is 11¼d. per million i.u. Natural is 1s. 4d. per million units.

VITAMIN D_2. — In oil, 2 million units per gm. the price is 2d. per million international units. Crystalline see under calciferol. D_2, 2d. per million units in oil; crystalline, 17s. per gm.

VITAMIN E (synthetic). — TOCOPHERYL ACETATE, B.P.C., 10 gm. to 100 gm., 1s. 2d. per gm.; 100 gm. to 1 kilo, 1s. per gm.; 1 kilo and under 10 kilos, £47 5s. per kilo. The equivalent rates for racemic α TOCOPHEROL (unesterified) are 1s. 3d. per gm.; 1s. 1d. per gm. and £52 per kilo.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 3s. 3d. per lb., duty paid.

AGAR.—*Kobé* is from 14s. to 16s. per lb., duty paid as to quality. Shipment 10s. 6d., c.i.f.

ALOES. — Extra prime for shipment is 335s. per cwt., c.i.f., and prime, 330s., c.i.f. Prime on the spot is 340s.

ANISEED (STAR).—Chinese is 130s. per cwt., c.i.f., for afloat. Spot nominal at 175s., duty paid.

ANTIMONY. — English 99.6 per cent. is £222 10s.; 99 per cent., £210 per ton.

BALSAMS.—Quotations (per lb.) are:—CANADA: Spot value 30s. COPAIBA. Para is from 7s. 9d. to 11s., duty paid. PERU, 10s., duty paid. TOLU (genuine as imported). 26s.; B.P., 17s. 6d. spot.

BELLADONNA.—Herb is 2s. 6d. per lb. on the spot. ROOT, 1s. 10d. spot; shipment, 1s. 3d., c.i.f.

BENZOIN.—Sumatra block on the spot is from £25 to £30 per cwt. No. 1 for shipment is £23 5s., c.i.f. Almonds, 15s. per lb., c.i.f.

BUCHU.—Spot supplies are from 7s. 3d. to 7s. 6d. per lb. on the spot.

CAMPHOR. — B.P. POWDER is from 5s. 10d. per lb., duty paid. TABLETS, ¼-oz. are 5s. 10d., c.i.f. and 6s. 4½d. in bond, c.i.f.

CAPSICUMS. — East African are from 120s. to 210s. per cwt. on the spot, as to quality.

CARDAMOMS. — Aleppy greens on the spot are 16s. 9d. per lb., and shipment, 16s., c.i.f. No. 1 seed, 21s. 6d. per lb.

CASCARA SAGRADA. — Firm, American 1955 peel is 350s. per cwt., duty paid. 1956 processed peel for shipment, 300s., c.i.f.

CASCARILLA.—Spot market bare of whole cut bark. No shipment offers.

CASSIA BARK. — Whole on the spot is now quoted at 120s. per cwt., in bond, with forward offers still unobtainable. Broken, 110s., in bond, and shipment, 110s., c.i.f.

CHAMOMILE FLOWERS. — Belgian are 22s. to 22s. 6d. per lb. on spot.

CHERRY BARK. — Thin natural is from 1s. 10½d. per lb., duty paid, and rossed, 2s., on the spot.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOOO, 9s. 9d.; OOO, 9s. 3d.; OO, 8s. 11d.; O, 8s. 10d.; firsts, 7s. 4½d.; quillings 5s. 6d.; chips, 1s. 1½d. to 1s. 2½d.

CLOVES. — Zanzibar on the spot are quoted at 3s. 8d. per lb. Shipment, 3s. 4¼d., c.i.f.

COCHINEAL. — Silver-grey, Peruvian, 14s. 6d. per lb. Canary Isles, 18s. 6d.; black-brilliant, 28s. 6d.

COCILLANA.—Bark is 2s. 3d. per lb. on the spot.

DIGITALIS LEAF.—*Purpurea* is offered at 1s. 3d. per lb., c.i.f.

ERGOT. — Portuguese is 6s. per lb., c.i.f., for prompt shipment and 7s. 3d., spot. American, 7s. 3d., c.i.f.

GENTIAN. — Spot: French, 185s. per cwt.; Spanish, 165s.; Jugo-Slavian, 155s.

GINGER. — African on the spot is 195s. per cwt. and March-April shipment, 200s., c.i.f. Jamaican No. 3 spot, 730s.; new-crop for March shipment is 575s., c.i.f. Cochin for February-March shipment, 120s. per cwt.

KARAYA.—No. 1 gum on the spot is now quoted at 270s. per cwt., and No. 2 at 215s.

KOLA NUTS. — Jamaican are offered at about 8d. per lb., spot, and 6½d., c.i.f. African, 5½d.

LIQUORICE. — Natural root: Anatolian is 46s. 6d. per cwt. Russian, 48s. 6d. spot and 47s., c.i.f. Block juice: Anatolian, 200s. per cwt.; Chinese and British, 195s. on the spot. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 3s. per lb.

LOBELIA HERB. — Spot offers are from 7s. to 7s. 6d. per lb.

PEPPER. — White Sarawak is 2s. 1d. per lb. on the spot, with shipment at 1s. 11½d., c.i.f. Black Sarawak is offering on the spot at 1s. 8d. per lb.; afloat, 1s. 7d., c.i.f. Black Malabar, 225s. per cwt. on the spot; prompt shipment, 187s. 6d., c.i.f.

PEPPERMINT LEAVES. — Dutch for shipment are offered from 2s. 6d. to 3s. per lb., c.i.f.

PIMENTO. — Spot is 590s. per cwt. with forward at 540s., f.o.b.

PODOPHYLLUM. — *Emodi* is 165s. per cwt., c.i.f. *Peltatum*, 4s. per lb. spot, and 430s. per cwt., c.i.f.

PYRETHRUM. — Powder, 1 per cent., is 2s. 11d. per lb.

QUASSIA.—Chips are 42s. 6d. per cwt. on the spot, and 32s. 6d., c.i.f.

QUILLAIA.—Spot offers of bark at 220s. per cwt. with shipment at 185s., c.i.f.

RAUWOLFIA. — *Serpentina* is offered from 4s. 3d. to 4s. 9d., landed terms, as to origin. *Vomitoria* is 2s. 6d., landed.

RHUBARB.—Quotations for Chinese are from 6s. 6d. to 9s. 3d. per lb., as to quality.

SAFFRON.—Mancha superior is 280s. to 290s. per lb., on the spot.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 9½d. per lb., and for shipment, 2s. 8d., c.i.f.

SASSAFRAS.—Selected bark is 5s. per lb. on the spot.

SEEDS. — (Per cwt.). ANISE.—Spot, Cyprian, 175s.; Bulgarian, 165s., duty paid. CARAWAY.—Dutch again easier with 137s. 6d. quoted duty paid. CELERY.—Indian in short supply, 215s. quoted spot. CORIANDER.—Spot, Moroccan nominally 95s.; Rumanian, 75s.; and Bulgarian, 65s., all duty paid. Moroccan for shipment, 62s. 6d., c.i.f. CUMIN.—Steady with small business reported. Spot, Cyprian, 135s.; Iranian, 132s. 6d., duty paid. Shipment, Cyprian quoted at 129s., and Iranian at 125s., c.i.f. DILL.—Indian offering at 65s., spot. FENNEL.—Indian quoted at 120s. on spot. The shipment price is 112s. 6d., c.i.f. FENUGREEK.—Unchanged on spot. Indian is 70s. and Moroccan, 68s. 6d., duty paid. MUSTARD.—English, 65s. to 85s. according to quality.

SENEGA.—Spot is 18s. 6d. per lb. with shippers asking 18s., c.i.f.

SENNA. — *Tinnevelly* LEAVES are very short on the spot. Prime No. 1 are 1s. 5d. per lb.; PODS, f.a.q., 9½d.; hand-picked, 1s. to 2s. *Alexandrian* manufacturing pods, small lots available at 1s. 7½d. hand-picked scarce with only low to medium grades available.

SHELLAC. — F.O.T.N., 245s. per cwt.; F.O. No. 1, 255s.; fine orange, 285s. to 340s.

SLIPPERY ELM.—Grinding quality bark is 2s. 6d. per lb.

SQUILL.—White is offered on the spot at 57s. to 62s. 6d.

STRAMONIUM.—Indian LEAVES are 70s. per cwt., and European 80s. on the spot.

TONQUIN BEANS. — Para on the spot are offered at 10s. per lb.

TRAGACANTH.—No. 1 ribbon is £175 to £180 per cwt.; No. 2, £150.

VALERIAN ROOT.—Indian on the spot is 140s. per cwt. Dutch for prompt shipment, 187s., c.i.f.

VANILLIN. — Rates (per lb.) are:—5-cwt. lots, 27s. 3d.; 1-cwt., 27s. 6d.; 56-lb., 27s. 9d.; smaller quantities, 28s.

WITCH HAZEL LEAVES. — Spot supplies are 2s. 3d. per lb.; prompt shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

ALMOND.—British oil is about 12s. 6d. per lb.; imported, 10s. 9d.

AMBER.—Rectified on the spot quoted at from 1s. 6d. per lb.

ANISE. — Chinese, 13s. 4½d. per lb., spot; shipment, 12s. 10½d., c.i.f.

BAY. — West Indian is 12s. 6d. per lb. on the spot.

CANANGA.—Spot is from 52s. to 56s. per lb.

CASTOR OIL.—Lower. Minimum charge for home-produced B.P. oil on the spot is now £188 per ton naked ex mill.

CEDARWOOD.—1-cwt. lots of American are 7s. per lb., and Kenya, 4s. 6d.

CELERY SEED. — Oil is 107s. 6d. per lb. for bulk lots.

CHENOPODIUM. — Spot value is now 34s. per lb. for original containers.

CINNAMON. — From quillings, English-distilled is quoted at 30s. per oz. Ceylon leaf, crude, 14s. 6d. and rectified, 25s. per lb., spot.

GERANIUM.—Bourbon is from 95s. per lb. on the spot and Algerian, 87s. 6d.

GINGER. — English-distilled oil is 205s. per lb. Imported: Jamaican, 167s. 6d.; Chinese, 100s., duty paid.

GINGERGRASS. — Spot offers are from 27s. 6d. per lb.

HYATA. — Formosan, minimum 90 per cent. safrole, 4s. 10½d. per lb., spot.

JUNIPER BERRY. — B.P.C. oil is from 12s. 6d. per lb. and Jugo-Slavian, 14s. on the spot. English-distilled is 155s. WOOD, from 5s.

LAVANDIN. — Spot is from 14s. 6d. per lb. for original drums.

LAVENDER. — French oil is from 55s. to 80s. per lb. as to make.

LAVENDER SPIKE. — Spanish is offered from 14s. per lb. on the spot.

NUTMEG. — Imported B.P. oil is about 105s. per lb. English-distilled, 180s. nominal.

OLIVE.—New-crop on the spot is about 30s. per lb., ex wharf, for B.P.

ORANGE.—Spot quotations of sweet oil include Floridan at 4s. per lb.; Californian, 6s. 6d.; West Indian, 7s. 6d.; South African, 6s. 6d.; West African, 20s. For shipment, proprietary brand Californian cold-pressed, U.S.P., 13s. 2d., c.i.f. Terpeneless is 200s. per lb., spot; and bitter, 21s. 6d. per lb.

OTTO OF ROSE. — Turkish is £250 per kilo.

ROSEMARY.—Spanish oil is firm on the spot at 7s. 6d. per lb., duty paid.

RUE. — Spot offers for small lots are now 17s. 6d. per lb.

SANDALWOOD.—Mysore is 102s. 6d. per lb. on the spot and East Indian, 101s. per lb.

SASSAFRAS. — Brazilian is 3s. 9d. per lb., duty paid.

UNITED STATES REPORT

NEW YORK, FEBRUARY 26: One producer will increase CALCIUM CHLORIDE on April 1 to make the 77–80 per cent. flake $31·00 per ton. COPPER SULPHATE CRYSTALS were cut to $12·90 per 100 lb. (down 50 cents). PYRIDOXINE HYDROCHLORIDE dropped to 29½ cents per gm., down eight cents, and SALICYLAMIDE by 10 cents to $1·15 a lb. JALAP ROOT advanced five cents to 65 cents a lb. but KARAYA eased off with the No. 1 now 47 cents a lb. (down three cents). Lower per lb. among ESSENTIAL OILS were PIMENTO LEAF at $2·70, down five cents and Dalmatian SAGE at $4·35, down 15 cents.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," February 13

For preparations and substances for human use for the relief of coughs, colds and the like ailments (5)
TRAMIL, 759,132, by International Chemical Co., Ltd., London, N.16.

For pharmaceutical, veterinary and sanitary preparations (5)
ACALO, 757,244, by Eli Lilly & Co., Indianapolis, U.S.A.

For anthelmintic preparations (5)
VANQUIN, 757,588, by Parke, Davis & Co., Detroit, U.S.A.

For pharmaceutical preparations and substances in tablet form (5)
GEV-E-TABS, 758,370, by Healthcrafts, Ltd., Worcester Park, Surrey.

For medicated confectionery (5)
VIT-BITS, 758,430, by Boots Pure Drug Co., Ltd., Nottingham.

For pharmaceutical preparations for oral administration (5)
PERTIX-HOMMEL-, 758,741, by A.G. Hommel's Haematogen, Zurich, Switzerland.

For pharmaceutical preparations and substances all in tablet form (5)
IONEX-TAB, B758,830, by Victoria Laboratories, Ltd., London, W.C.2.

For pharmaceutical and veterinary preparations and substances (5)
BYKANULA, 759,397, by Byk-Gulden Lomberg Chemische Fabrik, G.m.b.H., Konstanz, Germany.

For all goods (5)
EVALERT, 759,430, by Wilsons Chemical Products, Ltd., Chessington, Surrey. AIRSTRIP, 760,048, by T. J. Smith & Nephew, Ltd., Hull. CAVODIL, 760,092, by Benger Laboratories, Ltd., Holmes Chapel, Ches. FEMERITAL, 758,782, by M. C. P. Pure Drugs, Ltd., London, W.C.2.

For all goods for export (5)
MYTELASE, 760,053, by Winthrop Products, Ltd., Kingston-on-Thames, Surrey.

For pharmaceutical, veterinary and sanitary substances, medical and surgical plasters, materials prepared for bandaging, disinfectants and preparations for killing weeds and destroying vermin (5)
FENILOR, VESPARAX, 759,840-41, by Union Chimique Belge Société Anonyme, Brussels, Belgium.

For medicated preparation for human use (5)
PRYBEES, 759,647, by Boots Pure Drug Co., Ltd., Nottingham.

For medicated beverages (5)
RUBOSA, 759,850, by Eastern Counties Preserves (1940), Ltd., Spalding, Lincs.

For fungicides for agricultural and horticultural use (5)
MERCOSUL, 760,024, by Burt, Boulton & Haywood, Ltd., London, W.C.2.

For photographic, cinematographic and optical apparatus and parts and fittings (9)
STARFLEX, 758,737, by Kodak, Ltd., London, W.C.2.

For rangefinders, flashguns, orthochromatic filters, cameras, shutter releases, view finders and enlarging apparatus, for all photographic purposes; camera tripod stands; optical projection apparatus; apparatus and frames for viewing photographic transparencies by artificial light (9)
WATA, 759,887, by North Staffs Photographic Services, Newcastle, Staffs.

For flashguns for photographic purposes and parts (9)
MULTIBLITZ, 759,888, by North Staffs Photographic Services, Newcastle, Staffs.

For non-medicated toilet paper and paper towels (16)
PAM, 758,955, by Newton, Chambers & Co., Ltd., nr. Sheffield.

For tooth-brush holders made of plastics; and cups, saucers, plates, beakers and mugs, all made of china or of earthenware (21)
SOOTY, 743,610, by Sooty Concessions, Ltd., London, E.C.2.

For steel-wool pads impregnated with a saponaceous preparation (21)
SPINTOP, 759,996, by Colgate-Palmolive, Ltd., London, W.C.2.

For antibiotics (5)
VULCAMYCIN, 759,463, by Lepetit S.p.A., Milan, Italy.

From the "Trade Marks Journal," February 20

For chlorine compounds for use in the manufacture of bleaching, cleansing and disinfecting agents (1)
CHLORINOL, B758,209, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne.

For pulp made principally of paper, for use as a filtering medium (1)
CLARIFILTER, 758,329, by Southard & Co., Ltd., East Molesey, Surrey.

For chemical products used in agriculture (1)
AGROVITE, 759,611, by Keystone Chemical Co., Ltd., Edinburgh.

For chemical products used in industry (1)
FOMESCOL, 759,904, by Glovers (Chemicals), Ltd., Leeds, 12.

For washing preparations, soaps and detergents (not for use in industrial or manufacturing processes), but not including laundry blues, whitening preparations or starches (3)
Device with the word Zero, 751,046, by Zero Manufacturing Co., Ltd., Victoria, British Columbia, Canada.

For cleaning and non-medicated toilet preparations for application to the skin as a barrier against dirt, powders and liquids (3)
BARRICARE, 754,739, by Alexander Duckham & Co., Ltd., London, E.C.2.

For soaps, perfumes, non-medicated toilet preparations, cosmetics, hair lotions and dentifrices (3)
ROYAL HUNT, 756,579, by Droyt Products, Ltd., Chorley, Lancs.

For non-medicated toilet and cosmetic preparations for use by spraying (3)
SUNSPRAY, 756,969, by A.G. für Lizenzverwertungen Alvex, Coire, Switzerland.

For preparations for cleaning artificial dentures made of plastics (3)
CYLENE, 759,247, by Rupert Smith, Chalfont St. Giles, Bucks.

For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices and soaps (3)
CUSSONS ENGLISH GARDEN, 757,319, by Cussons, Sons & Co., Ltd., Kersal, Manchester.

For soaps, perfumes, non-medicated toilet preparations, cosmetics, essential oils and hair lotions (3)
HEWLEEN, 759,372, by Frederick John Tresidder, Wirral, Ches.

For preparations and substances for laundry use; and for cleaning, scouring and abrasive preparations (3)
DISCALENE, 759,629, by Imperial Scalene Co., London, S.E.10.

For substances for laundry use, cleaning preparations and soaps (3)
CRIO, CRION, 759,679-80, by Shamrock Chemical Industries, Ltd., Kilcoole, co. Wicklow, Eire.

For breath deodorants (5)
Device with the wording A. E. Stannard Sweetbreaths, 738,415, by A. E. Stannard, Ltd., Haslemere, Surrey.

For pharmaceutical and sanitary preparations (5)
CARLENDACIDE, 744,953, by Carlen Corporation, Wilmington, Delaware, U.S.A.

For pharmaceutical preparations and substances for human and veterinary use (5)
ALBARINO, 755,079, by Organon Laboratories, Ltd., London, W.C.2. REXELON, 760,042, by A. & G. Nicholas, Ltd., Slough, Bucks.

For photographic, cinematographic and optical apparatus and parts and fittings (9)
DUODAK, 759,490, by Kodak, Ltd., London, W.C.2.

For surgical instruments and surgical needles (10)
STERIJAB, 758,765, by Ampins, Ltd., London, S.W.1.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, March 4

LONDON SECTION, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 6.30 p.m. Three-paper meeting on "Documentation."

STOCKPORT BRANCH, PHARMACEUTICAL SOCIETY, Warren Bulkeley hotel, Warren Street, at 7.45 p.m. Mr. P. Colton (Kodak, Ltd.) on "How to Sell Colour Film."

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Royal Bell hotel, Bromley, at 8 p.m. Mr. G. R. Woods on "The Pharmacist and the Local Authority."

Tuesday, March 5

MANCHESTER BRANCH, GUILD OF PUBLIC PHARMACISTS, Midland hotel, Manchester, at 6.30 p.m. Annual dinner and dance. Ticket, price 27s. 6d., from Miss C. G. Dobson, Fairfield General Hospital, Bury, Lancs.

Wednesday, March 6

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Botanical Gardens, Edgbaston, Birmingham, at 6.15 p.m. Annual dinner and dance.

BIOLOGICAL METHODS GROUP, SOCIETY FOR ANALYTICAL CHEMISTRY, The Feathers, Tudor Street, London, E.C.4, at 6.30 p.m. Dr. A. Spinks on "The Experimental Assessment of Tranquillisers."

CAMBRIDGE AND HUNTINGDON BRANCH, PHARMACEUTICAL SOCIETY, Matthew's café, 14 Trinity Street, Cambridge, at 8 p.m. Mr. G. F. Wright on "Common Ailments of the Eye and Their Treatment."

COVENTRY AND WARWICKSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Gaumont Palace café, Jordan Well, Coventry, at 7.30 p.m. Detective Constable Cooper on "Photographic Detection of Crime."

GUILDFORD BRANCH, PHARMACEUTICAL SOCIETY. Annual dinner cancelled because of petrol rationing.

LEICESTER COLLEGE OF TECHNOLOGY AND COMMERCE, SCHOOL OF PHARMACY, Grand hotel, Leicester. Reunion dinner and dance. Ticket, price 21s., from the reunion secretary at the College.

WESTERN [LONDON] PHARMACISTS' ASSOCIATION and WEST LONDON BRANCH, PHARMACEUTICAL SOCIETY, Bonnington hotel, Southampton Row, London, W.C.1, at 7.30 p.m. Mr. J. Wicks (Kodak, Ltd.) on "Modern Colour Photography."

Thursday, March 7

DURHAM COUNTY BRANCH. Meeting cancelled because of petrol rationing.

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Church house, Cambridge Road, Harrogate, at 7.30 p.m. A representative of Kodak, Ltd., on "The New Black-and-White Films."

MANCHESTER AND SALFORD BRANCH, NATIONAL PHARMACEUTICAL UNION, Engineers' Club, Albert Square, Manchester, at 7.45 p.m. Mr. J. Wright (deputy secretary, N.P.U.) on "N.H.S. Remuneration: Future Prospects."

WEST HAM ASSOCIATION OF PHARMACISTS, Trocadero restaurant, Piccadilly Circus, London, W.1, at 6 p.m. Annual dinner and dance.

WILLS

MR. P. HOGLEY, M.P.S., F.B.O.A., 7 The Valley Green, Welwyn Garden City, Herts, left £11,311 (£11,249 net).

MR. J. B. ILLINGWORTH, M.P.S., 36 Gibfield Road, Colne, Lancs, left £4,223 (£4,165 net).

MR. D. L. JONES, F.P.S., Oakleigh, Oakleigh Road, Little Common, nr. Bexhill-on-Sea, left £5,808 (£5,271 net).

MR. W. PETRIE, M.P.S., 9 Derby Road, Bournemouth, Hants, left £4,904 (£4,852 net).

MR. W. J. POWELL, M.P.S., 299 Brinnington Road, Stockport, Ches, left £19,477 (£18,903 net).

PRINT AND PUBLICITY

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies.

Sunday, March 10

LONDON: Endocil. Meggezones cough syrup. Gilbey's tonic wine. Marigold house gloves. Loxene.

MIDLAND: Milton. Loxene. Mistol. Elastoplast. Nivea. Anne French products. Moore's teething jelly.

NORTH: Penetrol inhalant. Elastoplast. Nivea. Moore's teething jelly. Anne French products.

ALL: Max Factor products. Gibbs' S.R. Pacquins. Pepsodent. Colgate tooth-paste. Goya beauty puff.

Monday, March 11

LONDON: Silvikrin shampoo. Beecham's powders. Alka-Seltzer. Plenamins. Gibbs' S.R. Sanatogen tonic wine. Elastoplast. Nivea. Angiers supavite. Anadin. Anne French products. Christy's lanoline face pack.

MIDLAND: Milton. Gilbey's tonic wine. Sanatogen tonic wine. Plenamins.

NORTH: Silvikrin shampoo. Silvikrin hair dressing. Beecham's pills. Moorland indigestion tablets. Pepsodent.

ALL: Goya beauty puff.

Tuesday, March 12

LONDON: Beecham's powders. Phensic. Gilbey's tonic wine. Elastoplast. Nivea. Vaseline hair cream. Mistol. Christy's lanoline face pack. Pure Silvikrin.

MIDLAND: Gibbs' S.R. Max Factor products. Pepsodent.

NORTH: Silvikrin shampoo. Beecham's pills, powders. Sanatogen tonic wine. Zoflora. Loxene.

Wednesday, March 13

LONDON: Veno's cough mixture. Phensic. Loxene. Gibbs' S.R. Elastoplast. Nivea. Vaseline hair cream. Zubes pastilles. Pure Silvikrin. Christy's lanoline face pack.

MIDLAND: Elastoplast. Nivea. Zubes pastilles. Pepsodent.

NORTH: Silvikrin shampoo. Beecham's pills, powders. Veno's cough mixture. Phensic. Plenamins. Anadin. Loxene.

Thursday, March 14

LONDON: Beecham's powders. Veno's cough mixture. Phensic. Brand's essence. Cojene tablets. Zubes pastilles. Nervone. Pepsodent. Innoxa barrier cream.

MIDLAND: Gibbs' S.R. Anne French products. Loxene. Nervone.

NORTH: Silvikrin shampoo. Beecham's pills, powders. Veno's cough mixture. Loxene. Gibbs' S.R. tooth-paste. Zubes pastilles. Anadin. Zoflora.

SUZY Q: Earmarked to put over a new commercial jingle for Pepsodent tooth-paste is Suzy Q, cartoon character introduced by Pepsodent (Sales), Ltd., 449 London Road, Isleworth, Middlesex.

Friday, March 15

LONDON: Silvikrin shampoo. Beecham's powders. Veno's cough mixture. Phensic. Pure Silvikrin. Snowfire wave set. Vykmin vitamin mineral caps.

MIDLAND: Elastoplast. Nivea. Anadin. Vykmin vitamin mineral caps.

NORTH: Silvikrin shampoo. Beecham's pills, powders. Veno's cough mixture. Phensic. Gilbey's tonic wine. Gibbs' S.R. Elastoplast. Nivea.

Saturday, March 16

LONDON: Alka-Seltzer. Meggezones cough syrup. Vaseline hair cream. Marigold house gloves. Lincoln beer shampoo. Anne French products. Nervone. Tangee lipstick. Christy's face pack. D.P. hand cleanser.

MIDLAND: Gilbey's tonic wine. Angiers Supavite. Strix. Flush. Penetrol inhalant.

NORTH: Gilbey's tonic wine. Angiers Supavite. Anne French products. Pepsodent. Penetrol inhalant. Flush.

ALL: Silvikrin shampoo. Wilkinson's sword-edge razor blades. Pacquins. Vita-glucose tablets. Moorland indigestion tablets. Anadin. Max F tor products.

Other products which are being currently adv tised (but for which no day of showing has be notified) include: Care hand cream, Cussons c cream soap. Amm-i-dent. Cow and Gate cer food. Thompson & Capper, Ltd., products. Hal orange. Gauntlet barrier cream. Bartex s glasses.

PUBLICATIONS

Price Lists

BAYER PRODUCTS, LTD., Eden Street, Kingston-o Thames, Surrey: Pharmaceutical preparatio Pp. 32.

BENGUE & CO., LTD., Alperton, Wembl Middlesex: January 1957. Pp. 3.

CAVALCADE BEAUTY PREPARATIONS, LTD., 9 Pa Hill, London, S.W.4: February 1957.

CONTINENTAL LABORATORIES, LTD., 101 Great Ru sell Street, London, W.C.1: Pharmaceutic preparations. Pp. 2.

COOPER, MCDOUGALL & ROBERTSON, LTD., Ber hamsted, Herts: Cooper's household produc trade list, 1957.

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P=Inclusive Retail Price; *=Tax 30 per cent.; †=Tax 90 per cen

ALBION SOAP CO., LTD. (from March 1)

	Doz.	I.R.P.
Albion milk and sulphur soap* toilet size	8 0	1 1 *A*
milk and sulphur shaving stick*	9 1	1 3 *A*
milk and sulphur shampoo*	9 1	1 3 *A*
ichthammol soap*	8 0	1 1 *A*
ichthammol shaving stick*	9 1	1 3 *A*
Simple soap*	7 5	2 2 *A*

COLGATE-PALMOLIVE, LTD. (from February 18)

Lustre-creme shampoo* medium size tube		1 7 *A*

ENGLISH GRAINS CO., LTD. (Agents: **WALTER CROWE, LTD.**) (from March 1)

Yestamin tablets	50	14 6	1 9 *A*
	100	21 0	2 6 *A*
	300	50 6	6 0 *A*
powder	8 oz.	33 6	4 0 *A*
	16 oz.	50 6	6 0 *A*

FASSETT & JOHNSON, LTD. (from March 1)

Forhans tooth-paste*	12 6	1 9 *A*
	18 6	2 7 *R*

D. & W. GIBBS, LTD.

Pears Embassy soap*		10 *A*
transparent soap*		11 *A*
Gloria shampoo* bottle		2 3 *A*
Erasmic shaving stick*		2 2 *A*
refill*		1 3 *A*
Easy shaving stick refill*		11½ *A*

HARROGATE PHARMACEUTICALS, LTD. (from February 25)

Delton tablets*	10	18 4	2 6 *A*
	20	32 6	4 6 *A*

JEYES-IBCO SALES, LTD. (from March 25)

Ibcol B size	8 6	11 *A*
E size	14 6	1 7 *A*
H size	21 4	2 4 *A*
	Each	
gall.	12 0	15 6 *A*

KUMAR (LONDON), LTD. (from March 1)

Ascum tablets, dispensing packs	100	6 6 *A*	
	500	27 6 *A*	
Respcdrine tablets, dispensing packs	100	12 0 *A*	
	500	55 0 *A*	
Polyvite capsules	50	6 0	8 0 *A*
dispensing pack	500	55 0 *A*	

RECKITT & COLMAN, LTD.

Nulon hand cream†	C	1 11 *A*
	B	2 10 *A*

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

WRIGHT, LAYMAN & UMNEY, LTD. (from February 25)

	Doz.	
Coal tar inhaler or vaporiser	70 0	7 9 *A*

ADDITIONS TO THE LIST

LINCOLN HAIR PRODUCTS, LTD.

Linc-o-Lin beer shampoo*:	2½ doz	
sachets	15 0	10½
	12½ doz.	
	65 0	
	2 doz.	
inns of 6 sachets	62 6	5 0
baby barrel	31 3	2 6

P.A.T.A. Year-book corrections:—

LLOYD-HAMOL, LTD.

	Doz.	
Syl*	21 0	3 0
dispensing pack	140 0	

NEW PRODUCTS AND PACKS

ABBOTT LABORATORIES, LTD.

Compocillin-V oral suspension	80 c.c.	22 6

ALBION SOAP CO., LTD.

Albion milk and sulphur soap* bath size	14 10	2 0

THE BRITISH DRUG HOUSES, LTD.

Tussimol pastilles* tin	23 9	3 3

THOS. CHRISTY & CO., LTD.

Pantene semi-fix†	9 6
	16 6

J. & J. COLMAN

Robinson's Sicilian lemon juice	25 fl. oz.	4 0

DIXOR, LTD.

Velpuff cream powder compact†	3 9
	6 9

JOHNSON & JOHNSON (GT. BRITAIN), LTD

Modess with cotton wool 6	1 1
12	2 0

KIMBERLY-CLARK, LTD.

Kleenex tissues for men 100 pulls	2 9

LEDERLE LABORATORIES DIVISION CYANAMID OF GREAT BRITAIN, LTD.

		Each	
Teropterin	vial 10 c.c.	42 2	63 3

LONDON COMMERCIAL ELECTRICAL STORES, LTD.

Sol-Tan portable ultra-violet lamp	259 6

PARKE, DAVIS & CO., LTD.

Milontin capsules 0·25 gm.	50	11 6
		95 0
Diphtheria prophylactic, formol toxoid (F.T.) ampoule 0·5 mil		2 3
set of 3 ampoules 0·5 mil		4 6
vial 10 mils		8 0
Pollaccine vials 5 mils:— 100, 200, 500, 1,000, 2,000, 5,000, 10,000 units per mil		8 6
20,000 units per mil		12 0
50,000 units per mil		17 6
100,000 units per mil		28 0

RONSON PRODUCTS, LTD.

Ronson Super Trim shaver*	177 6
in leather kit	217 6

WARD, BLENKINSOP & CO., LTD.

Viacutan emulsion*	7 10

Introducing 'Butch'

by the makers of RED HEART

'Butch' MEAT FOR DOGS

1/- POPULAR SIZE TIN

Butch is new! Butch is news! Butch is all wholesome, lean meat with its natural freshness and rich nourishment sealed in the can!

Order Butch from your usual supplier NOW!

Attractive profit margins to both Wholesaler and Retailer

FREE! Counter and window display material from:

JOHN MORRELL & COMPANY LTD. · 57 VICTORIA STREET · LIVERPOOL · 1

CVS-11

★

D. & W. GIBBS Ltd.

announce
the following

REVISION OF RETAIL PRICES

to take effect
as from

1st MARCH 1957

★

PEARS TRANSPARENT SOAP	11d.
,, EMBASSY	10d.
PEARS GLORIA SHAMPOO BOTT.	2/3d.
ERASMIC SHAVING STICK REFILL	1/3d.
,, ,, ,, HOLDER	2/2d.
GIBBS EASY ,, ,, REFILL	11½d.

★

D. & W. GIBBS LTD.

Hesketh House, Portman Square, London, W.1.

Telephone: WEL 3713

GTI—130

for fine chemicals especially:

ASPIRIN B.P. "FRE-FLO"

SALICYLIC ACID B.P. & TECH.

SODIUM SALICYLATE B.P.

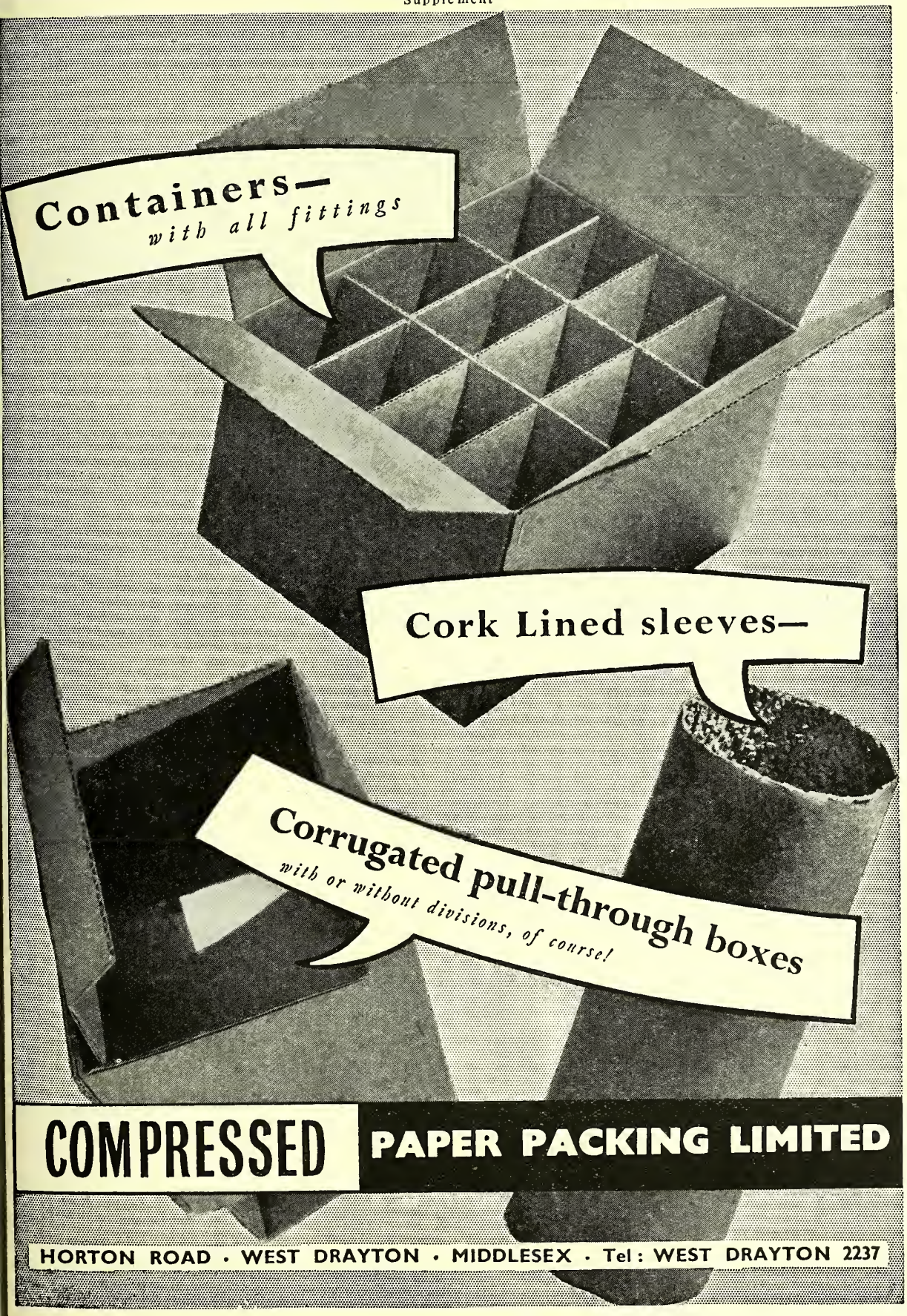
SALOL B.P.C.

VANILLIN 100%

H. W. GRAESSER-THOMAS LIMITED

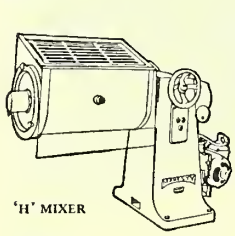
49 LEADENHALL STREET, LONDON E.C.3

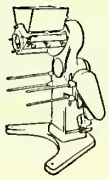
TELEPHONES: ROYAL 3011-6111

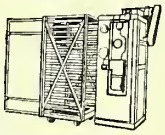

Containers—
with all fittings
Cork Lined sleeves—
Corrugated pull-through boxes
with or without divisions, of course!
COMPRESSED
PAPER PACKING LIMITED
HORTON ROAD · WEST DRAYTON · MIDDLESEX · Tel: WEST DRAYTON 2237

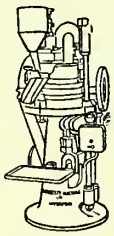
MANESTY

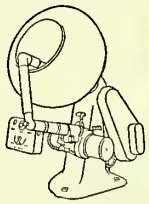
TABLET MAKING MACHINERY

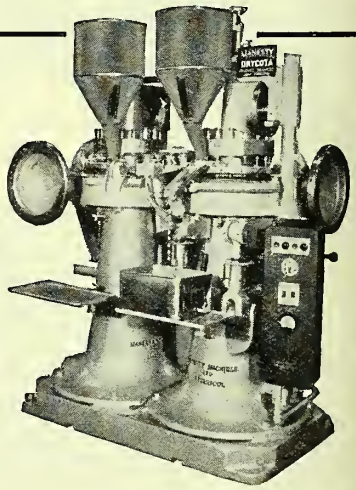

'H' MIXER


GRANULATOR


DRYING OVEN


TABLET MACHINE


COATING PAN



MANESTY MACHINES LTD., make a large range of tableting machines, from the small hand-operated model to machines suitable for tablets up to 2¼ inch diameter or, where large outputs of smaller tablets are required, machines with outputs up to 95,000 per hour. Included in the range are the well-known Manesty Mixer, Rotorgran, Coating Pans and Drying Ovens, so that the complete equipment for tablet making can be supplied.
An advisory and experimental service is available.
Please write for fully detailed leaflets.

. . . and the **"DRYCOTA"**
COMBINED TABLET MAKING and COMPRESSION COATING MACHINE
FOR CONTINUOUS PRODUCTION
The revolutionary machine which makes and coats tablets in one operation

MANESTY MACHINES LIMITED
5 EVANS ROAD · SPEKE · LIVERPOOL 19
Telephone: Hunts Cross 1972 · *Telegrams: Manesty, Liverpool 19*

Send today for your copy—'Tablet Making.' 123 pages, 31 formulæ, 47 illustrations. Cloth bound. 15/- net. Post free.

TABLET MACHINES · MIXERS · GRANULATORS · COATING PANS · AUTOMATIC WATER STILLS

The Beatson Tablet

★ Distinctive SQUARE Shape.

★ Black Plastic or White Enamelled Caps.

★ Reasonable in Price.

★ Prompt Despatch from Stock.

★ Available in the following sizes:—
½ ¾ 1 1½ 1¾ 2 3½ oz.

"The Sign of a TRADE MARK REGISTERED *Good Bottle"*

Suggested Packs:—
½-oz.—25 Aspirin.
1-oz.—50 Aspirin or 25 Codeine.
1¾-oz.—100 Aspirin or 50 Codeine.
3½-oz.—100 Codeine.

Beatson, Clark & Co., Ltd.
GLASS BOTTLE MANUFACTURERS
ROTHERHAM. ESTABLISHED 1751 YORKS.

First Class in GLASS

B.T.I.

FLEXIBLENDER

Reg. Trade Mark. British and Foreign Patents applied for and pending

MIXING DEVICE

Folding MANUALLY OPERATED Fixed

This is the Pharmaceutical Bulk Blending Device 'par excellence.'

Unlike any other Mixing Device the "Flexiblender" uses the principle of reciprocal displacement within a fluid bulk, to produce the high degree of turbulence required for uniform mixing.

Will function within a W/M Winchester.

It eliminates centrifugal separation due to liquid rotation. (An unavoidable concomitant of **all rotary** liquid mixing.)

Its balanced design ensures that practically all input energy is converted into turbulent (i.e., true) mixing.

Filled containers are uniformly mixed by Flexiblending; an impossible feat by any **shaking** process.

By mutual arrangement the "Flexiblender" Turbulent Mixer is now available for use with the 'Skylon' Series of Polythene Carboys, all sizes.

PRICE **4 GNS.** with order

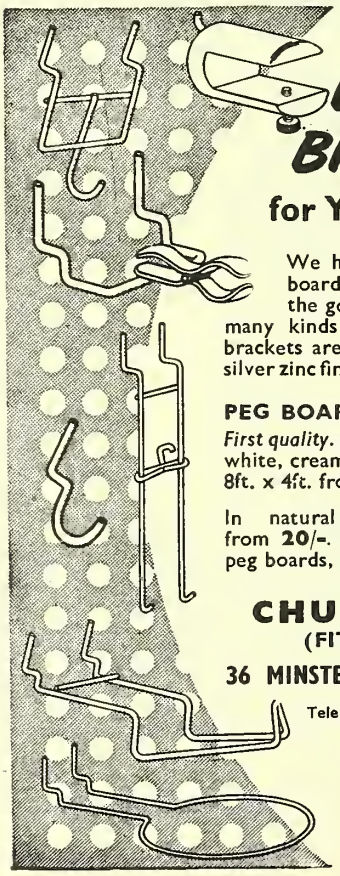
Post free. Despatched Registered Post

EUKRATER (SALES) LIMITED

12 Denmark Street, BIRMINGHAM 19, ENGLAND

SIZE CLOSED DIAMETER 1½"
OPEN DIAMETER 4½"

OVERALL LENGTH 15½"



PEG BOARD BRACKETS

for YOUR business

We have all the correct peg board brackets for displaying the goods you sell. There are many kinds to choose from. Our brackets are supplied in bronze and silver zinc finishes, from **15/-** per doz.

PEG BOARDS

First quality. Stove enamelled in black, white, cream, green, burgundy. 8ft. x 4ft. from **56/-**.

In natural colour, undercoated from **20/-**. Fluorescent letters for peg boards, from **48/-** per doz.

CHURCH & CO.
(FITTINGS) LTD.
36 MINSTER STREET, READING

Telephone: READING 2035/6

Agent for Northern Scotland—
C. T. A. Winram, 121 Crown Street, Aberdeen.

1753

By Appointment to H.M. The Queen *Manufacturers of Vacuum Vessels*

THERMOS = 40 × PROFIT

A CHOICE OF 40 MODELS

Flasks · Jugs · Jars

Bowls · Dewar Vessels

Thermos (1925) Limited · Seymour Rd., London, E.10

Phone: *Leytonstone 4061-4* **Cables:** *Thermos, London*

Greatest success yet in the fast expanding Hair Colouring field!

DEEP AUBURN MOLTEN GOLD DOVE GREY GOLDEN CHESTNUT HONEY BROWN AUBURN

Sales of COLOR-GLO have exceeded all expectations. There is no doubt that COLOR-GLO advertising — directed at women who have never dared to use hair colouring before — is creating an entirely new market for hair colouring products.

COLOR-GLO is bringing sales to chemists all over the country — results since launching have been phenomenal. Don't hesitate to order adequate stocks. COLOR-GLO users do get the results they are promised. That means they will come back again and again — *on the average at least six times a year.* This will represent new business — an addition to your turnover. For most COLOR-GLO users are trying out a new kind of product — one they have never bought before.

Display these most attractive full colour packs and link up with the all-the-year-round big space advertising appearing in Woman Woman's Own and women's monthly magazines.

Color-Glo

lasts through 6 to 8 shampoos TRADE MARK

Retail price 4/6 per bottle.
Trade price 22/6 per dozen.
plus 90% tax.

From your usual wholesaler or from:

GOLDEN LIMITED, 7 GROSVENOR STREET, W.1.

Telephone: HYDe Park 1671/6

Trade Enquiries for the Republic of Ireland should be addressed to: Lilmar Pharmaceuticals Limited Santry, Dublin.

CG 5073

*Xylocaine**

Ointment

Xylocaine ointment provides surface anæsthesia. It contains 5 per cent. lignocaine in a water-miscible base, and has the following advantages:

(1) Xylocaine has a powerful and enduring effect following surface application to mucous membranes. (2) The ointment base readily sets free Xylocaine. (3) The ointment is non-irritant, and does not cause hypersensitivity —in contrast with many anæsthetic ointments. (4) Washing with water removes the ointment. (5) The preparation is stable. (6) The preparation does not attack rubber tubes.

INDICATIONS : anæsthesia of the gums—hæmorrhoids—pruritus ani—pruritus vulvæ—lubrication of bronchoscopes and endotracheal tubes.

AVAILABILITY : 15G. tube or 500G. jar. *Literature sent on request.*

DUNCAN, FLOCKHART & CO., LTD.

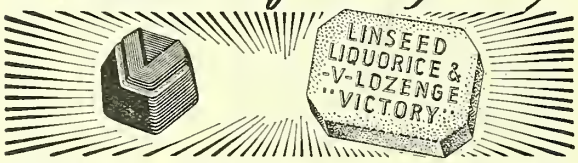
Wheatfield Road, **EDINBURGH, 11**

4, Carlos Place, **LONDON, W.1**

*Reg. trade mark. Xylocaine is manufactured under licence from Astra Ltd., Sodertalje, Sweden.

Victory-V

GUMS & LOZENGES *for cold journeys*



FRYER & CO. (NELSON) LTD. NELSON, LANCS

N.99

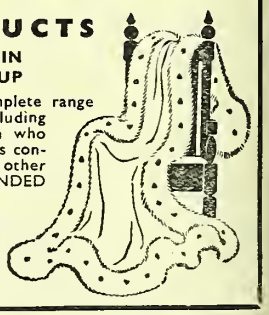
QUEEN

Non Allergic

BEAUTY PRODUCTS

THE SAFETY FACTOR IN EVERY DAY MAKE-UP

Queen beauty products form a complete range of toilet and beauty preparations, including lipsticks, specially for those women who have sensitive skins. Queen products contain no orris in any form, nor any other skin irritants AND ARE RECOMMENDED BY THE MEDICAL PROFESSION.



Obtainable from your Wholesaler or direct from . . .

BOUTALLS CHEMISTS LTD.
60 Lambs Conduit St., London, W.C.1

ITONA SUGAR CANE MOLASSES

packed in glass jars for convenience and better protection

available in various sizes SELLING AGENTS

Jeffreys, Miller and Co Limited

Leyland Mills Wigan
also at 19-25 Brookside Road Upper Holloway London N19

IN CITROZE SALES

(TRADE MARK)

Citroze sales are leaping ahead. A wonderful product backed by lively, forceful publicity.

Right through the Winter Citroze will be heavily advertised on the complete TV network, with two 30-second spots per week in London, Manchester and Birmingham. *And* there'll be continuous advertising in the Medical press. Citroze, remember, is the energy drink you can take as a hot toddy. A big selling point in this peak period for colds and 'flu! Your customers will like the *economy* of Citroze! One bottle makes *4 whole-strength pints.*

8/6 PROFIT ON 1 DOZ. BOTTLES

Even more with quantity buying. Get your discounts by combining orders for SUNFRESH and CITROZE. ORDER NOW from your wholesaler, or write/telephone Messrs. O. R. GROVES LIMITED, 20 Jermyn Street, London, S.W.1. Regent 7986/7/8/9 and 6175.

CITROZE (TRADE MARK) **for up-and-at-'em energy!**

1957 Advertising in the DAILY EXPRESS · DAILY MIRROR DAILY MAIL · SUNDAY PICTORIAL · SUNDAY EXPRESS WOMAN · WOMAN'S OWN etc . . .
will help you sell more of the Famous

Submarine REGD.
TRIDENT
THE MOST *Comfortable* SWIMMING CAP EVER PRODUCED

Last season many orders were received direct from the public who could not obtain supplies locally. To avoid disappointing YOUR customers this season please make sure you have sufficient stocks of the watertight swimming cap that is so comfortable, it's a joy to wear.

6/6

★ ★ ★ ★ ★ ★ ★ ★ ★

Submarine REGD. **SKELETON**

made especially for men who like or need ear protection. Adjusts to fit any head size. Black only. Price 8/6.

Obtainable from all good wholesalers or from:
W. W. HAFFENDEN LTD., RICHBOROUGH RUBBER WORKS, SANDWICH, KENT.
Telephone: Sandwich 3381.

The Submarine range comprises Clipper 2/9 Standard 3/3 Penguin 3/11 and Seal 4/11 inc. P.T.

FITS INTO ANY CORNER

OF THE . . . FIRST AID ROOM · WARD · TOILET · CLOAK KITCHEN · CONSULTING ROOM · DISPENSARY · OPERATING ROOM OR WHEREVER A HANDY PLACE FOR SMALL REFUSE IS REQUIRED

9½" RADIUS
8½" DEEP
WHITE ENAMELLED

23/- EACH FROM

ROBERT BAILEY & SON, LTD.
SURGICAL DRESSINGS MANUFACTURERS
DYSART STREET, GREAT MOOR, STOCKPORT
Phone: STEPPING HILL 3006/7 *Gram:* "UNDISPUTED" STOCKPORT

Bulk Suppliers of
DISINFECTANTS & ANTISEPTICS

CARBOLIC FLUIDS
Black and White types with Co-efficients 2 to 24
APPROVED FLUIDS
(Under the Diseases of Animals Acts)
PINE FLUIDS
AROMATIC FLUIDS
LYSOL B.P.
LIQUOR—
CHLOROXYLENOLIS B.P.

Packed in 1, 5, 10 and 40 gallon drums

THE PRINCE REGENT TAR CO. LTD.
BRETTENHAM HOUSE, LANCASTER PLACE, STRAND, LONDON, W.C.2.
Telephone: TEMPLE BAR 5801 (8 lines)
Works:- PRINCE REGENT'S WHARF, SILVERTOWN, LONDON, E.16
Telephone: ALBERT DOCK 3311

Here is a liquid vitamin supplement that is truly delicious —Vitavel Syrup. This careful blend of real orange juice and liquid glucose with vitamins A, B_1, C and D is readily accepted by patients of all ages and dispositions.

One fluid ounce contains at time of manufacture:—

VITAMIN A 20,000 i.u. VITAMIN D 3,000 i.u. VITAMIN B_1 4 mg.
VITAMIN C 80 mg. LIQUID GLUCOSE B.P. 25% w/v.

PACKS : 6 fl. ozs. *Retail 3/9 Chemists 2/6* **40 fl. ozs.** *Retail 24/- Chemists 16/-*

BEMAX *stabilized wheat germ*

This richest natural vitamin-protein-mineral supplement is now available in two flavours, plain Bemax and chocolate-flavoured Bemax (of special appeal to children).

PREGNAVITE *during pregnancy*

A comprehensive vitamin-mineral supplement specifically designed to supply the enhanced dietary needs of pregnancy.

PRICES	RETAIL	CHEMISTS
60	*4/1*	*33/4 per doz.*
120	*7/4*	*59/10 ,, ,,*
1,000	*48/-*	*32/9 each*

VITAMINS LIMITED (DEPT. A.A.5) UPPER MALL LONDON W.6.

EDME
"Autumn Sun"
EXTRACT OF MALT
WITH COD LIVER OIL (B.P.)
WITH FLAVOURING

THE CHOICE OF THE FIRST CLASS CHEMIST

Prices on request P.A.T.A. list

EDME LIMITED
IMPERIAL HOUSE, 84-86 REGENT STREET, LONDON, W.1
Phone: Regent 5563-4 Grams: Edme, Piccy, London. Works: Mistley, Essex

Attractive Show Cards and Window display Matter FREE

'SOL-TAN'
present the
NEW
COMPLETELY PORTABLE
ULTRA-VIOLET

Type EM99P.
Size 6¾" x 6¾" x 7½".
Weight Approx. 10 lb.

IDEAL FOR DOCTORS AND PHYSIOTHERAPISTS
A compact all purposes high pressure mercury arc generating the complete spectrum of ultra-violet from 4500 AU,s. to 2000 AU,s.

SOL-TAN

LIST PRICE
£12 · 19 · 6
TAX FREE
(Sold only against a Doctor's Prescription).

Write or 'phone for full particulars and illustrated lists of Infra-red lamps, Ultra-violet lamps and High-frequency machines.
The LONDON COMMERCIAL ELECTRICAL STORES LTD.
20/23 CURSITOR STREET, LONDON, E.C.4.
Tel: CHA 6488

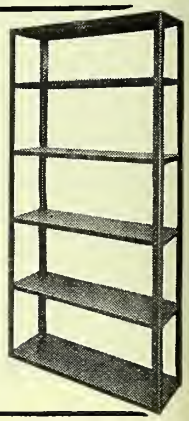
MANUFACTURER'S OFFER OF
STEEL SHELVING

- Brand new — Manufactured in our own works
- Shelves adjustable every inch
- Heavy gauge shelves will carry 400 lb. each
- Stove enamelled bronze green
- 6 shelves per bay — Extra shelves 8/- each
- Quantity discounts

72" High
34" Wide
12" Deep

Telephone: 69018/9

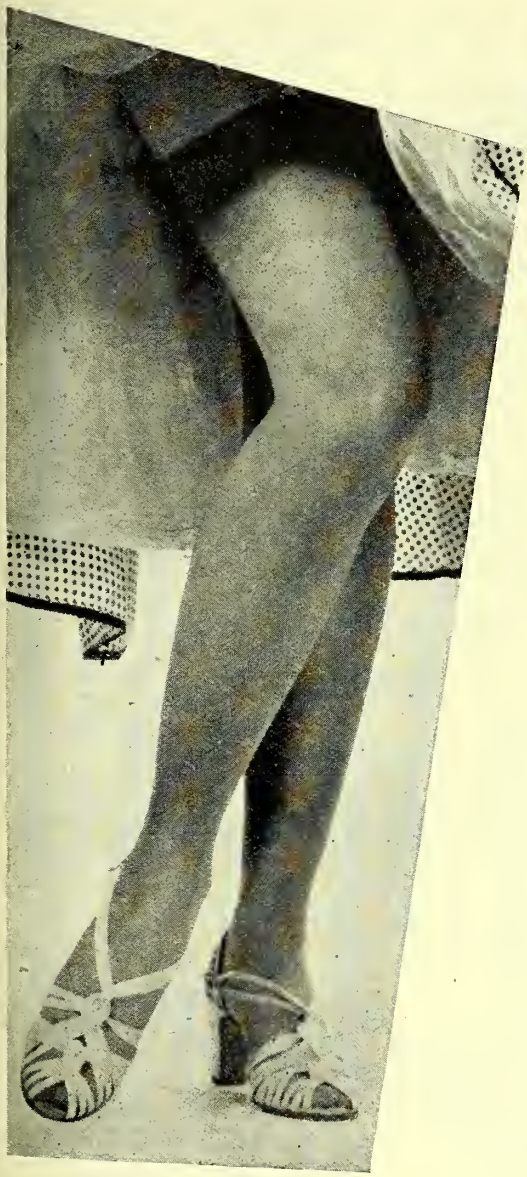
DELIVERED FREE £3 15s.
Ready for Erection
N. C. BROWN LTD.
SHELVING DIVISION · EAGLE STEEL WORKS
HEYWOOD · LANCS



Dyanese
FADELESS
DYES

3d. STOCKING (except Black) .. 27/- gross
4½d. COLD WATER, CURTAIN and Black Stocking Dyes .. 41/- gross

Order Dyes and Shade Cards from our Agents
Gt. Britain: W. B. Cartwright Ltd., Rawdon, Leeds
N. Ireland: T. M. Mullan & Co., Ltd., 42 Victoria Street, Belfast. Eire: May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6



Fayskin

two-way stretch

SURGICAL
ELASTIC
HOSIERY

To N.H.S. Specification

ALSO IN NYLON AND FINE NYLON

Attractively Boxed

SELF MEASUREMENT FORMS

"MADE TO MEASURE"
hosiery, usually despatched
same day as receipt of order.

Invisible under the stocking

WOOD, BASTOW (ELASTICS) LTD

Heathcoat Street and Broad Street, Nottingham. Telephone: 44571/2/3
and at Dove Green, Selston, Notts. Telephone: Pinxton 474/5/6

IMPROVED FORMULA

'LIVOX' CAPSULES

For the treatment of Anaemias, Nutritional Deficiencies, General Debility

NOW FERROUS GLUCONATE

FORMULA:

LIVER EXTRACT CONCENTRATE	2.5 grains
~~IRON GLYCEROPHOSPHATE~~	1.0 ,,
COPPER SULPHATE	0.01 ,,
MANGANESE SULPHATE	0.01 ,,
VITAMIN B_1	0.165 mg.
VITAMIN B_2	0.05 ,,
NICOTINAMIDE	~~0.5~~ ,,

NOW 5.0 mg.

OXO LTD *(Medical Dept)* 16, SOUTHWARK BRIDGE ROAD, LONDON, S.E.1. *TELEPHONE: WATERLOO 4515*

JKL

HOME TRADE EXPORT

MENTHOL
IPECAC
QUILLAIA

and all other Botanicals, Gums, Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD.
24 OLD BROAD STREET, E.C.2

Telephone: LONdon Wall 6585 (4 lines)

Telegrams: "Ergotine, Stock, London"

NEW YORK · HAMBURG

KALIUM BRAND

Garlic Tablets for dogs

Garlic Tablets have for some considerable time been used for the treatment of both Human and Animal Diseases and are renowned for their value in the prevention and general treatment of Bacterial Ailments.

They have proved invaluable for the prevention of all types of Worms, Distemper, Hard Pad and most Bowel and Chest complaints.

Garlic Oil is a powerful antiseptic, disinfectant, diaphoretic, diuretic, expectorant and vermifuge, and as a first class Blood Purifier may be used with even the youngest Puppies. Its action in clearing the Blood means that the Dog is kept in the prime of condition and is therefore less likely to pick up infection.

40 Tablets ... ... 2/6d. per box
100 Tablets ... ... 5/6d. per box

Less 33⅓ trade discount.

See these other Kalium Products

FOR CAGE BIRDS

VIGAMOL: Fertility stimulant and tonic. Tocopherol and cod-liver oil.

SCALEX: For Scaly-face on budgerigars. A safe cure.

ENTREX: For enteritis and intestinal ailments in cage birds.

SPRITE: An effective specific (and preventive) for fever, bronchitis, asthma in birds.

KALIUM PRODUCTS

38 HILLS YARD, REDDITCH, WORCS.

Phone: 984/1033

OUTSTANDING

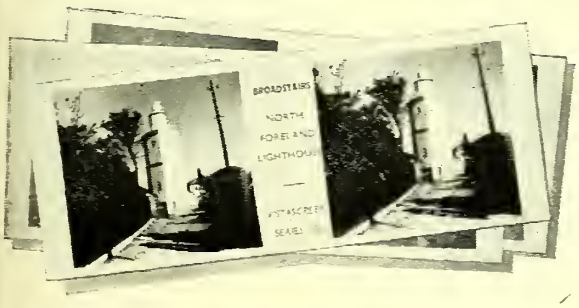
VALUE • APPEAL • PROFIT

An outstanding A.P.F. line — more than a toy, a novelty with real interest and educative value. At this price, a sure winner. Neat and compact and strongly made in rich polystyrene plastic. Individually boxed for easy handling. Stock it, display it and—watch the sales roll in!

3-DIMENSIONAL VIEWER

only **2/6** retail

follow up sales with the VISTASCREEN *3-D VIEWS*



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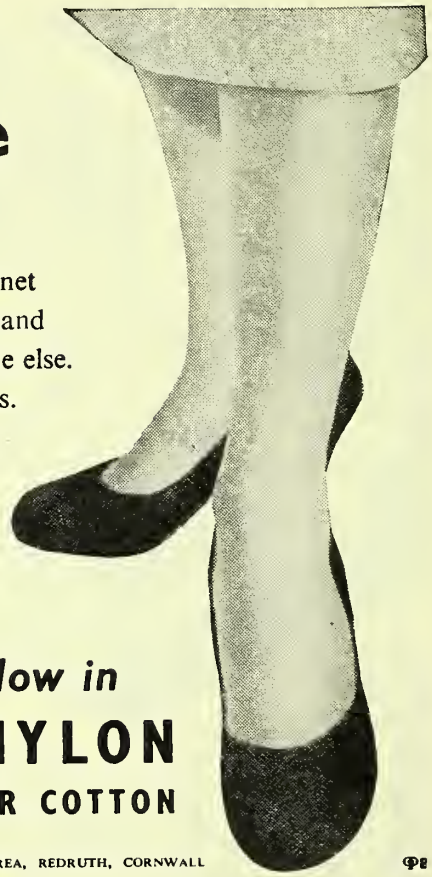
THE MINISTRY SAYS:

It MUST be made to measure

So have your N.H.S. prescriptions made up by Lastonet who only make stockings to personal measurements, and know more about getting a good close fit than anyone else. You need carry no stock to supply Lastonet stockings. This profitable business is entirely risk-free !



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Measurement forms and display material free from LASTONET PRODUCTS LTD., CARN BREA, REDRUTH, CORNWALL

The 'Blue Star' Success Story . . .

Southalls 'Blue Star' — the sanitary towel "designed by women for themselves" — has been the greatest success since Southalls 'Original', sixty years ago.

Women have found they can *trust* its perfect cut . . . its layers of super-absorbent cellulose tissue in softest cotton-wool . . . its protective backing, for extra security.

Now — again in consultation with a consumer panel of women — 'Blue Star' has been given a *soft knitted cover*, with firmly-stitched loops . . . final perfection in comfort and appearance.

. . . and now at a truly competitive price!

The new 'Blue Star' will soon be advertised nationally. Make sure your stocks are sufficient! Ask our representative for details of new lower prices, also new point-of-sale material!

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SOUTHALLS (BIRMINGHAM) LTD., CHARFORD MILLS, SALTLEY, BIRMINGHAM 8

A little bit of counter sells a lot of

Barnet Combs

in new all-moulded cabinets

ATTRACTIVE, PERMANENT, CLEAN . . . these wonderful new Barnet Quick-Sale Cabinets take only a few square inches of your precious counter space. Designed to do the selling for you, each shows a range of combs clearly priced and such good value that you can multiply your sales through IMPULSE BUYING . . . adding a Barnet comb to other purchases with a full 33⅓% profit or more on return. Ask your wholesaler for full details. He too will support you with the best REFILL SERVICE in the country.

8 CABINETS TO CHOOSE FROM:

R3
Barnet "Hylite" Cabinet 6¼ doz. High Quality Acetate combs.

R3B
As R3 but without Tail combs.

R5
Barnet "Nylon" Cabinet 6 doz. Packaged Nylon combs with 5 YEAR GUARANTEE

R5B
As R5 but without Tail combs.

R18
Barnet "Vanity Fair" Cabinet 5½ doz. Super Quality Packaged Acetate combs.

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As R18 but without Tail combs.

R4
Barnet "Falcon" Cabinet 4 doz. Asstd. BLACK & SHELL High Quality Acetate combs.

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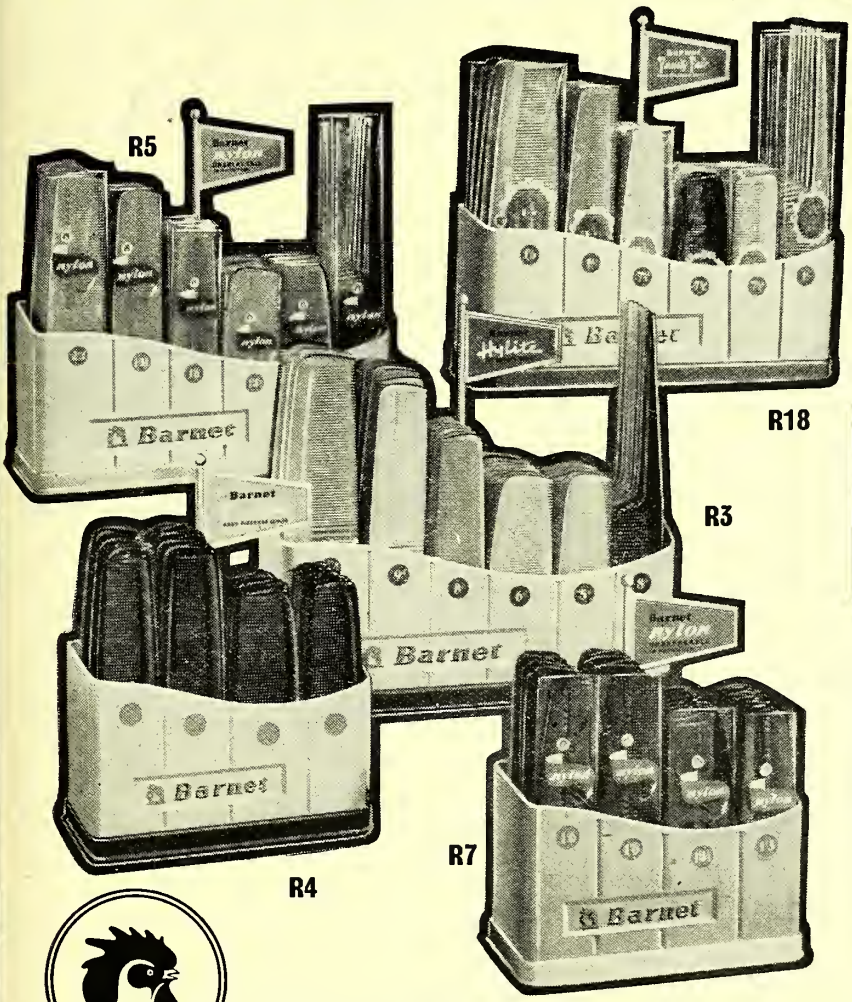

From the largest range of combs in the world Barnet have chosen the finest for these wonderful new plastic dispensers. All comb for comb, incomparable value for quicker-sales, quicker profits.

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Ask your wholesaler about Barnet Combs today!

Manufactured by (Wholesale only)

E. R. HOLLOWAY LTD., BESSEMER ROAD, WELWYN GARDEN CITY, HERTS. (Telephone: Welwyn Garden 4444)

Grey Hair? Sshh!!

Keep it
DARK
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SHADEINE

Still the best hair tint. In all natural Shades. Stocked by all wholesalers. Trade Prices: 1 oz., 21/- per doz., 2 oz. 36/- per doz. Purchase Tax 90%.
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YOUR SALES ARE ASSURED IF YOU STOCK SHADEINE

GOLDEN SHADEINE—2 oz. size at 21/- per doz. Purchase Tax 90%, Retailing 3/11 per bottle.

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49 CHURCHFIELD ROAD, ACTON, LONDON W.3

There's no 'off-season' for

BOX'S
INDIGESTION PILLS
The Old Established
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P.A.T.A. Retail Prices:
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Over 10d BOX PROFIT by ordering 1 dozen 4/3 size. Bonus given on every dozen (13). It pays to push this size.

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19 St. VINCENT PLACE GLASGOW C.1

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introduce 2 major new products

SPARINE

(PROMAZINE HYDROCHLORIDE)

—a clinically proven phenothiazine derivative with few side-effects for use in the treatment of acute psychotic episodes, pain, nausea and vomiting, hiccup and a variety of other conditions.

PACKS:

FOR ORAL ADMINISTRATION

Coated tablets—25 mg. (yellow)
50 mg. (orange)
100 mg. (red)

Bottles of 50 and 250

FOR PARENTERAL ADMINISTRATION

5% solution—2 ml. ampoules (50 mg. per ml.)

Boxes of 10

ISOLEVIN

(LAEVO-ISOPRENALINE BITARTRATE)

—a powerful specific bronchodilator valuable in the treatment of bronchial asthma.

PACKS:

Sub-lingual tablets—Each tablet containing 15 mg. laevo-isoprenaline bitartrate.

Bottles of 20

Spray solution—each ml. contains 7.5 mg. laevo-isoprenaline bitartrate.
10 ml. vials (with dropper).

Your wholesaler holds stocks of these products. Make sure of yours now that active detailing is starting to doctors in your area.

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JOHN WYETH AND BROTHER LIMITED,
CLIFTON HOUSE, EUSTON ROAD, LONDON, N.W.1.

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for a limited period only . . .

ORDER	BONUS
£7.10.0's worth of NIVEA CREME	**FREE GOODS worth £1.6.2** ✳ *(2 doz. 1/5 tins and 1 doz. 2/5 tins)* **3¾% QUANTITY DISCOUNT** **FREE COUNTER MERCHANDISER**
Every additional **£2.10.0's worth of assorted NIVEA lines**	**FREE GOODS worth 12/-** ✳ *(1 doz. 2/5 tins of Nivea Creme)*
£15.0.0's worth of assorted NIVEA lines but including at least £7.10.0's worth of Nivea Creme	**FREE GOODS worth £3.2.2** ✳ *(2 doz. 1/5 and 4 doz. 2/5 Nivea Creme)* **7½% QUANTITY DISCOUNT** **FREE COUNTER MERCHANDISER**

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FULL DETAILS of this Bonus Offer have already been mailed to all chemists, but if you have not received a copy write at once to

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PREMISES

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Between Finsbury Square and Liverpool Street Station.
MODERN OFFICE, INDUSTRIAL AND WAREHOUSE BUILDING ready September, 1957.
Nett area 51,000 square feet.
Covered Car Park. Loading Bay. Central Heating. Passenger and Goods Lifts. Sprinkler System.
For sale Freehold or might be Let.
Apply:
VENTURE PROPERTY & DEVELOPMENT CO., LTD.,
3 Buckingham Palace Gardens, S.W.1
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C 6255

BUSINESSES FOR DISPOSAL

AN OLD-ESTABLISHED PHARMACY, recently fitted in North-west London, for disposal owing to health reasons. Living accommodation included. Long lease at the annual rental of £312. Good saleable stock, with busy N.H.S. which can be easily increased under personal supervision. Will accept £800 goodwill. Stock at valuation. Further details available to prospective purchaser. Box C 4446.

DRUG STORE, main road position, well fitted shop, modern premises with good living accommodation, scope for qualified man. Accountants' figures. Quick sale required owing to ill health. £500, s.a.v. Rent £250. Full particulars, E. N. Selby & Co., 61 London Road, Southend-on-Sea. C 4442

HULL, Yorkshire. Drug store in main road in residential area; double-fronted shop fitted with modern lighting and fixtures. Opportunity for pharmacist for dispensing. Rent £100. Illness reason for sale. £900 and s.a.v. (about £700). Box C 4438.

APPOINTMENTS

ANCOATS HOSPITAL, MANCHESTER, 4

Assistant-in-Dispensing

or Technician for work in Pharmaceutical Department. Salary in accordance with Whitley Scale. Apply in writing, giving particulars and names of two referees, to the General Superintendent. C 6275

BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, E.2

Senior Pharmacist and Pharmacist

Immediate vacancies, modernised department, salary as Whitley Council scales. Canteen facilities available. Applications with names of two referees to be addressed to the Hospital Secretary. C 311

COUNTY HOSPITAL, GRIFFITHSTOWN

Dispenser

required (Apothecaries' Hall).. Salary according to age £225 at 18, £255 19, £290 20, £330 21, £395 22 or over rising to £510. Write quoting two referees to T. A. Jones, Group Secretary, 64 Cardiff Road, Newport. C 6252

BRADFORD "A" GROUP HOSPITAL MANAGEMENT COMMITTEE BRADFORD ROYAL INFIRMARY

Pharmacist

Applications are invited for the appointment of Pharmacist (male or female). The position offers excellent experience. Salary in accordance with Whitley Council agreements. Applications stating age, experience and qualifications, together with the names of two referees to the Group Secretary. C 6241

CENTRAL MIDDLESEX HOSPITAL, PARK ROYAL, N.W.10

Senior Pharmacist

required at the above hospital. Salary on Whitley Council Scale. Applications are invited giving details of age, qualifications and experience, together with names of two referees to Medical Director. C 6240

CITY OF BRADFORD HEALTH DEPARTMENT

Pharmacist

Applications are invited from suitably qualified persons for this post at the MATERNITY & CHILD WELFARE SECTION.
Salary in accordance with the Pharmaceutical Whitley Council Scale, namely, £580 x £30—£760 x £25—£785.
Application forms may be obtained from Medical Officer of Health, Town Hall, Bradford, 1, to whom they should be returned within 14 days of the appearance of this advertisement.

W. H. LEATHEM,
Town Clerk.
Town Hall,
Bradford. C 6271

CLARE HALL HOSPITAL, SOUTH MIMMS, Nr. BARNET, HERTS (405 beds for diseases of the chest)

Senior Pharmacist

required. Whitley Council scale, including London Weighting (also £25 per annum for higher qualification if appropriate). Department serves other hospitals.
Applications, stating age, qualifications, experience, and giving names of two referees, to be sent to the Medical Director. C 312

DULWICH HOSPITAL, EAST DULWICH GROVE, LONDON, S.E.22

Senior Pharmacist

required at above hospital. (Category III). There is an association with King's College Hospital Medical School for undergraduate teaching purposes.
Salary and conditions according to Whitley Council agreements.
Applications, with names of two referees to Group Secretary, Dulwich Hospital, or enquiries direct to Chief Pharmacist. C 6281

EAST HAM MEMORIAL HOSPITAL, SHREWSBURY ROAD, E.7

Senior Pharmacist

full time. Annual salary £650-£830 plus £20/£30 London Weighting. Alternatively, full- or part-time Pharmacist (hours by arrangement) would be considered. Apply stating experience to Hospital Secretary. C 6278

EAST FIFE HOSPITALS, 243a HIGH STREET, KIRKCALDY

Chief Pharmacist

to the Group of Hospitals in East Fife required. New post, to co-ordinate the purchase and supply of drugs and dressings for ten hospitals. Whitley Council conditions. Superannuation. Holder of driving licence desirable. Present salary scale £785-£1,070 per annum, plus higher qualification allowance. Applications with full particulars of experience and qualifications, with the names of three referees, to the Secretary, Board of Management. C 6230

FINCHLEY MEMORIAL HOSPITAL, GRANVILLE ROAD, NORTH FINCHLEY, N.12

Part-time Pharmacist

20-24 hours weekly, suitable for married woman. Whitley salary. Apply to Hospital Secretary. C 313

FULHAM HOSPITAL, ST. DUNSTAN'S ROAD, HAMMERSMITH, W.6

Assistant-in-Dispensing

Applications for the position of Assistant-in-Dispensing at Fulham Hospital. Salary according to age and experience.
Hospital is within five minutes walk of Hammersmith Station.
Applications to Hospital Secretary (C.D.-195). C 6247

HOSPITALS FOR DISEASES OF THE CHEST

Pharmacist or Senior Pharmacist

Applications are invited for the post of Pharmacist or Senior Pharmacist at THE LONDON CHEST HOSPITAL. Salary in accordance with the Whitley Council scales. Applications, stating age, qualifications and experience, accompanied by two testimonials should be addressed to the House Governor, London Chest Hospital, E.2. C 6223

MONMOUTHSHIRE COUNTY COUNCIL THE HEALTH CENTRE, CHURCH STREET, TREDEGAR, MON.

Deputy Chief Pharmacist

Applications are invited for the post of a Deputy Chief Pharmacist at the above Health Centre.
The salary will be in accordance with the Whitley Council Hospital Scale, viz., £675-£910 per annum.
The appointment will be subject to a medical examination, to the provisions of the National Health Service (Superannuation) Regulations and to the Regulations of the Council in force from time to time.
Application forms may be obtained from the undersigned to whom they should be returned not later than March 16, 1957.

VERNON LAWRENCE,
Clerk of the Council.
County Hall,
Newport, Mon.
February 22, 1957 C 6274

Appointments—Continued

KING EDWARD VII HOSPITAL, WINDSOR

Locum Pharmacist

required, June to August, inclusive. Salary £16 16s. per week. Applications to Secretary, as soon as possible. C 6253

NAPSBURY HOSPITAL, Near ST. ALBANS

Part-time Assistant-in-Dispensing

17½ hours per week. Non-resident. Canteen facilities. Not Monday or Tuesday. Hours by arrangement with Chief Pharmacist. Salary £4 7s. 6d. per week. Referees required. Call or write to Chief Pharmacist. C 6277

PROVINCIAL ADMINISTRATION OF THE CAPE OF GOOD HOPE (Hospitals Department)

HOSPITAL SERVICE : VACANCIES FOR PHARMACISTS : PROVINCIAL HOSPITALS IN THE CAPE PROVINCE

1. Applications are invited from suitably qualified persons for appointment to posts of Pharmacist, Grade A, at Provincial Hospitals at the following centres:—
Cape Town; East London; Port Elizabeth; Kimberley, Uitenhage; Queenstown; King William's Town; Grahamstown; Paarl; Butterworth and Umtata.
2. The salary scale attaching to the post is £600 x £30—£750.
3. In addition to the salary scale indicated, a non-pensionable cost-of-living allowance at the rate of £234 per annum is payable to married whole-time officials and employees.
4. Candidates must be qualified Chemists and Druggists, registrable with the South African Pharmacy Board. Previous experience will be taken into consideration by the grant of one notch for every two years' appropriate service up to a maximum of five notches.
5. Application must be made in duplicate on the prescribed form, Staff 23, which, together with details as regards conditions of service and transport facilities, is obtainable from the Staff Clerk, Room 309, South Africa House, Trafalgar Square, London, W.C.2.
6. The completed application forms must be addressed to the Director of Hospital Services, P.O. Box 2060, Cape Town, South Africa, and must reach him not later than the 13th April, 1957.
7. Candidates must state the earliest date on which they can assume duty and must give full particulars of their previous experience.

C 6282

SOUTH WEST DURHAM HOSPITAL MANAGEMENT COMMITTEE

Chief Pharmacist (Category II)

Applications are invited from members of the Pharmaceutical Society for the above appointment with duties mainly at Holywood Hall Hospital, Wolsingham, but to be available for duty at other hospitals in group if required. Salary £725 rising to £990 per annum plus £25 a year if holding a higher qualification. Three-bedroomed house available on private housing estate in Bishop Auckland (rent and rates approximately £137 per annum). Use of hospital transport, Bishop Auckland and Wolsingham, may be available on request. Whitley Council conditions and N.H.S. Superannuation.
Application forms from undersigned to be returned by March 9.

Group Secretary,
The General Hospital,
Bishop Auckland.
C 6272

ST. MARY ABBOTS HOSPITAL, MARLOES ROAD, KENSINGTON, W.8

Senior Pharmacist

required. National salary scale and conditions. Applications with *full* particulars and names of two referees to Hospital Secretary (C.D. 196) immediately. C 6279

ST. AUGUSTINE'S HOSPITAL, CHARTHAM, Nr. CANTERBURY

Assistant-in-Dispensing

(male or female) required. Previous experience in dispensing desirable. Salary scale £375 to £490 plus £20 p.a. for Certificate of Apothecaries or equivalent qualification. (Lower salary applies until 22 years of age.) Resident accommodation available for female assistant if required. Apply, giving full particulars, and naming two referees to Secretary. C 6232

THE ROYAL MARSDEN HOSPITAL, FULHAM ROAD, S.W.3

Assistant-in-Dispensing

Salary in accordance with Whitley Council Scales, e.g., at age 22, £395 p.a. rising to £520. Apply with names of two referees, to the House Governor. C 6288

WORTHING GROUP HOSPITAL MANAGEMENT COMMITTEE, WORTHING HOSPITAL, LYNDHURST ROAD, WORTHING, SUSSEX

Pharmacist (male or female)

Applications are invited for the appointment of Pharmacist (male or female) for duties in new department recently opened. Salary and conditions of service in accordance with Pharmaceutical Whitley Council Scale. Applications stating age, qualifications and experience, together with the names of two referees to be forwarded to the Hospital Secretary.

A. V. OAKTON, Group Secretary.
C 309

SITUATIONS VACANT

RETAIL (HOME)

ANNFIELD PLAIN CO-OPERATIVE SOCIETY, LIMITED. Wanted: Pharmacist (male or female) to manage branch shop at Langley Park, co. Durham. N.U.C.O. scale of wages (present scale £17 19s. weekly). Saturday half-day. Rented house available. Applications stating age and experience to be sent to the Secretary, Annfield Plain Co-operative Society, Limited, P.O. Box No. 2, Front Street, Annfield Plain, Stanley, co. Durham. C 4400

BIRMINGHAM CITY CENTRE, pharmacy and cosmetic counter, senior unqualified lady assistant with business acumen and buying ability, thoroughly experienced cosmetics, responsible remunerative permanent position. Apply in writing stating age, experience and salary required. Galloways, Victoria Square. C 4420

BRENTWOOD. A managing pharmacist required for a substantial dispensing business in this area. The shop is attractively fitted with a good supporting staff and accommodation is available if required. Apply with full details, stating when available for interview to Box C 4448.

COVENTRY. Pharmacist required as assistant manager for modern central pharmacy. Good working conditions with excellent supporting staff. No rota, Sunday or holiday duties. Salary £910 per annum plus bonus. Superannuation scheme in operation with transfer clause. Suitable accommodation will be obtained if required. Full particulars of experience, etc., to Superintendent Chemist, Lockhurst Lane, Co-operative Society, Ltd., Holmsdale Road, Coventry. C 4423

DONCASTER CO-OPERATIVE CHEMISTS, LTD., require the services of pharmacist (male or female) as branch manager. Payment on "sales" scale, plus bonus. Salary at smallest branch over £900 per year. Rota payment extra. All shops in prosperous industrial areas where sales increases are possible. 44-hour week. Applications with usual particulars to the Superintendent Chemist, Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster. C 278

ILFORD. Pharmacist of ability required to manage modern and attractive shop. There will be a substantial salary structure, a good supporting staff and well equipped dispensary. Permanency with superannuation benefits. Flat accommodation available if desired. Apply, stating full details and when available for interview to Box C 4447.

PHARMACIST (male, 30-40) required to take charge of the dispensary and to assist generally in the management of the drug and perfumery department of a London store. Hours 9 a.m. to 5.30 p.m. Sats., 1 p.m. Pension scheme. Generous holiday allowance and staff purchasing facilities are offered. Write, with full particulars to Box No. 696, Sells, Ltd., Brettenham House, Lancaster Place, W.C.2. C 310

PHARMACIST assistant, male, required for counter and dispensing duties; congenial post. Accommodation could be found if necessary. Apply by letter in complete confidence, to L. W. Parkes, Chemist and Optician, 8 Castle Street, Coseley, Near Bilston. C 4444

SCOTLAND. PHARMACIST Assistant (male or female) wanted for modern pharmacy. Good working conditions with adequate supporting staff. Good holiday arrangements. Superannuation scheme. Full particulars of experience to Managing Secretary, Johnstone Co-operative Society, Limited, 61 High Street, Johnstone, Renfrewshire. C 4435

PHOTOGRAPHIC STAFF. London Co-operative Chemists are desirous of obtaining the services of male or female staff interested in the sale of photographic requisites and cameras. The positions offer progress and promotion and are situate in various suburban districts of London. Application by letter to Photographic Manager, Grange Road, Leyton, E.10, when an appointment will be arranged. C 4449

THE ROYAL ARSENAL CO-OPERATIVE CHEMISTS, LIMITED, require pharmacists as managers and manageresses to meet the requirements of a development programme in South-east and South-west London. Positions will be permanent and pensionable within a salary range of £800 to £1,000 per annum. Applicants should state whether housing accommodation is required. Locum also required as managerial relief for holiday season from early April to late September. Please state terms. Apply giving age and particulars of experience to:—Superintendent Chemist, 71 Powis Street, Woolwich, S.E.18. C 6264

YORK CO-OPERATIVE CHEMISTS' SOCIETY have vacancies for Branch Managers (Ladies or Gentlemen) for Pharmacies within the City of York. Good Salaries and Conditions. Permanent, Pensionable and Progressive Positions. Living accommodation at moderate rentals if required. Apply giving full details to the Superintendent Chemist, 22 Railway Street, York. C 4417

RETAIL (OVERSEAS)

PHARMACISTS under 35 years of age required by British company as branch managers for service in West Africa. Interesting positions with opportunities for advancement. Progressive salary. Low income tax rates. Free furnished accommodation. Free medical services. Contributory pension fund with generous pension at age 55. Tours of about eighteen months with leave on full pay. Initial kit allowance. First-class passages by air or steamer provided. Reply giving full particulars to Box C 4450.

WHOLESALE

A PHARMACIST is required to take charge of a pharmaceutical development unit at our new factory in Crawley New Town, Sussex. A wide range of pharmaceuticals and fine chemicals is manufactured and the company's research in the use of vitamins for nutritional and therapeutic purposes is well known. Interest, if not experience in this field, is essential. Salary will be commensurate with age and experience. A pension scheme is in operation. Detailed application should be sent to the Personnel Manager, The Vitamins Group, Upper Mall, London, W.6. C 6266

HORLICKS, LIMITED, SLOUGH
invite applications for an appointment in their Pharmaceutical Division where the responsibilities would be to be in charge of ampouling, tableting and some chemical production. The appointment is pensionable and there are exceptional prospects for a keen young man. Applicants should write giving particulars of qualifications, experience and salary required to Personnel Manager, Horlicks, Ltd., Slough, Bucks. C 4452

JOHNSON & JOHNSON (GT. BRITAIN), LTD., require a first-class representative to call on retail and wholesale chemists in the area comprising N.W. Wales. The position will be permanent and pensionable. Remuneration is by salary and commission and is above average. Full expenses with car provided. Applicants, who must be between the ages of 25/40, and prepared to reside in the area appointed, should forward full details of past experience, which will be treated in strictest confidence, to the Pharmaceutical Sales Manager, Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks. Applicants for interview will receive a reply within three weeks, otherwise please consider application unsuccessful. C 6268

THE ARMOUR LABORATORIES

invite applications from experienced Medical Representatives for their London, W.1, territory. This is a senior appointment and is remunerated accordingly. Excellent prospects, including contributory pension and group insurance schemes offered to a suitable candidate preferably under 35 years. Full details of age, education, and career to date, to: Sales Manager, The Armour Laboratories, Hampden Park, Eastbourne.

C 6257

ASSISTANT SALES MANAGER

A vacancy occurs for an assistant to the Sales Manager of a Company, with Headquarters in London, selling nationally advertised products in the Pharmaceutical and Toilet fields.

Applications are invited from men not over 35, preferably with experience of selling to chemists, hairdressers and departmental stores.

Applicants, besides having a good personality, must be able to deal effectively with correspondence with the Trade and Public and have some knowledge of advertising and point-of-sale promotion.

Applications will be treated in the strictest confidence and should be addressed to the Managing Director, Box C 6273, giving complete details of career to date including age, education and indication of salary required.

REPRESENTATIVES REQUIRED

Firm of repute in the pharmaceutical trade manufacturing a wide range of high-class products, well presented and supported, are expanding and wish to interview enthusiastic representatives who can really sell. Appointments for the following areas will be made in the next two months, South-east England, Lancashire, North Midlands, South Midlands, and the London area. Applicants should reside in area, be car owners and have had previous experience in the trade. Remuneration will be progressive, and mainly as salary. Car and hotel allowances.

If you are looking for a progressive position and are prepared really to work for it, send details of present and past employment to Box C 6237.

C. L. BENCARD LTD.

are again expanding their representative force and invite applications for three territories comprising

(a) Lancashire, North of Preston, Westmorland and West Cumberland
(b) Lincolnshire, Leicestershire, Rutlandshire and Soke of Peterborough
(c) London teaching hospitals

Consideration will be given to men who have had previous experience of calling upon Doctors and Hospital Medical Staff. Applicants should be of outstanding personality and integrity. Attractive remuneration by salary, with all expenses paid.

A company car is provided (basic and supplementary coupons available). Applicants must hold a current driving licence and be prepared to live on the territory. Pension and profit sharing scheme in operation. Applications in writing with full details together with recent photograph (returnable) should be made to the Sales Manager, C. L. Bencard Ltd., Minerva Road, Park Royal, N.W.10. C 6212

RIKER

Due to promotions and area changes vacancies have occurred for medical representatives in the following territories:

1. **Durham.**
2. **Monmouthshire, Herefordshire, Worcestershire and Shropshire.**
3. **South West London.**

Remuneration is by salary and bonus. Full expenses are paid and a Company car is provided. There is a Company pension scheme in operation.

Applications are invited from pharmacists or suitably qualified medical auxiliaries.

Apply in writing in the first instance to the General Sales Manager, Riker Laboratories, Limited, Morley Street, Loughborough, Leicestershire. C 6211

A HIGH-CLASS expanding perfumery Company, manufacturing perfume only, with well-established U.K. and export markets, requires a suitably experienced young man to become Production Manager. He will be required ultimately to buy and control stocks of packaging components and print, and will take charge of the packaging of the Company's products so that previous similar knowledge and experience would be an advantage. The prospects of rapid advancement are great for a meticulous man with a sense of perfection and a commencing salary of between £700 and £900 per annum will be paid. Applicants within age group 26-33 should give full details of education, experience, present and previous positions held and salaries in each. ALL APPLICATIONS WILL BE TREATED IN THE STRICTEST CONFIDENCE and should be addressed to: The Managing Director, PICOT LIMITED, 11/21 Queen Caroline Street, London, W.6.

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EVANS MEDICAL SUPPLIES LTD.

MEDICAL REPRESENTATIVE

Applications are invited for appointment as a medical representative in a Lancashire area from persons holding a pharmaceutical qualification.

Preference will be given to an applicant who has had a minimum of two years' hospital experience in at least the basic grade of Pharmacist.

Adequate initial training will be given in the highly specialised work of detailing the Company's medical specialities and all necessary measures of support are in operation.

The Company operates a Pensions and Life Assurance Scheme, and the conditions of employment have an attractive career value.

Write with full details of education, qualifications and experience to the Pharmaceutical Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19. C 6289

EXPERIENCED REPRESENTATIVE FOR EASTERN COUNTIES

Applications are invited for the above post. We regard this territory as important, and although we do a considerable turnover in the area, applicants should have a strong personal connection and be well versed in the selling of drugs, galenicals, tablets and packed goods. New car provided, and remuneration offered is substantial.

Apply:
SALES DIRECTOR, JOHN RICHARDSON & CO., LEICESTER, LTD., EVINGTON VALLEY ROAD, LEICESTER. C 6290

Situations Vacant—Continued

ENTERPRISING FIRM of manufacturing chemists supplying hair preparations to retail and wholesale chemists and ladies' hairdressers require first-class representatives with live connections in the Midlands and the north, on salary, expenses and commission basis. Apply with fullest details to Box C 6251.

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Are you interested in making selling your career? Are you (a) between 25 and 30 years of age? (b) Single and in possession of clean car-driver's licence? (c) At present engaged in retail pharmacy or experienced in selling to chemists? (d) Prepared to undergo detailed training at these offices as a preliminary to appointment to our chemists' sales force?
If so, you should apply immediately for appointment as trainee chemist salesman. Salary according to qualifications will be paid during training. Apply in writing, giving full details to H.S.M., S. Maw Son & Sons, Ltd., Aldersgate House, Cromer Road, New Barnet, Herts. C 6222

MANUFACTURING CHEMIST: Wm. R. Warner & Co., Ltd., and Richard Hudnut, Ltd., require a pharmacist with manufacturing experience including tableting on a substantial scale. Salary £1,000 plus, in accordance with qualifications and experience. The post is practical rather than administrative. Subsequent promotion is possible. Non-contributory pension scheme, 42½-hour working week and fully modern working conditions. Pharmacist engaged will be employed for a few months in West London then permanently in company's new premises in Eastleigh, Hampshire. Write for application form, Personnel Manager, Wm. R. Warner & Co., Ltd., Power Road, London, W.4. C 6262

MEDICAL REPRESENTATIVES

Due to the expansion of business Sandoz Products Limited invite applications from young men for the appointment of Medical Representative in the following areas:—

(1) Glasgow and North-West Scotland.
(2) Aberdeen and North-East Scotland.
(3) London, N.E., and Essex.

Attractive salary according to qualifications and experience. Superannuation scheme in operation. Thorough training given. Applicants should be either Physicians or Pharmacists. Please send full details of age, education, qualifications and experience, together with a photograph (which will be returned), to Sandoz Products Limited, Pharmaceutical Department, 134 Wigmore St., London, W.1. C 6224

MEDICAL REPRESENTATIVES required for the following areas: (1) South-West London and (2) Somerset, Dorset and East Devon; preferably 25-35; personality, enthusiasm and sales ability are prime requirements; pharmaceutical experience an advantage but an interest in medical technicalities and ability to learn quickly are an acceptable alternative; the post entails detailing highest quality pharmaceutical products to the medical profession and servicing the retail and wholesale pharmaceutical trade; company car provided. Expenses allowed and a pension scheme is operated. Applications in writing, giving fullest details of education and experience, should be addressed to the Sales Manager, Lederle Laboratories Division, Cyanamid of Great Britain, Ltd., Bush House, London, W.C.2. C 6259

OLD-ESTABLISHED Cork Manufacturers require representatives, already calling upon chemists. Commission basis only. All areas except South Coast. Write Box C 4415.

PHARMACIST, male or female, required, part or whole time, for analytical work and testing of pharmaceutical products. Reply giving full details of experience, qualifications, etc., to Managing Director, Smith Kendon, Ltd., 132 Borough High Street, London, S.E.1. C 4451

PRODUCTION WORKS CHEMIST (qualified) required by a firm of manufacturing chemists in the London area. Good salary with guaranteed yearly increase to the right person. Apply in strict confidence to Box C 6218.

PARKE, DAVIS & COMPANY, LIMITED

A vacancy occurs in the Medical Service Department for a pharmacist, not more than 30 years of age, with a literary bent. Duties will include the handling of a wide variety of technical queries and the compilation and revision of literature on the Company's products. He will later assist with the training of representatives and will have the opportunity of lecturing to professional bodies. A knowledge of one or more foreign languages would be an advantage, but is not essential. 5-day week. Pension plan. Staff restaurant. Write in the first place for application form to: The Personnel Manager, Parke, Davis & Company, Limited, Staines Road, Hounslow, Middlesex. C 6216

REPRESENTATIVE required to take over established connection with retail and wholesale chemists, etc., in Staffordshire, Warwickshire, Shropshire, and Worcestershire. Selling nationally advertised cosmetics showing steady increase in turnover. Must be car owner and live on territory. Liberal salary, commission and expense allowances. Extra petrol available. Write fully stating present earnings to Box C 4441.

PARKE, DAVIS & COMPANY, LIMITED,

invite applications from pharmacists for a junior executive position in their pharmaceutical manufacturing division. The position, which has become vacant due to a promotion, involves supervision of groups of process workers and offers an opportunity to gain wide experience in modern, large-scale production methods. Good promotion prospects; previous manufacturing experience, while an advantage, is not essential.
5-day week, staff restaurant, generous pension plan. Write with full particulars to Personnel Manager, Staines Road, Hounslow, Middlesex. C 6276

PFIZER, LTD.

have vacancies for Laboratory Technicians (male or female) in their Spare Laboratory at Sandwich on shift and day work.
Applications are invited for these positions and preference will be given to persons who have G.C.E. at advanced level or the equivalent in experience. Experience in microbiological work and assay work desirable but not essential as training will be given.
The Company operates a non-contributory Pension Scheme and a 5-day week is worked. Canteen facilities are available.
Applications should be made in writing to Personnel Officer, Pfizer, Ltd., 137-139, Sandgate Road, Folkestone, quoting reference SLT/25. C 6280

SALES MANAGER of Chemical Manufacturers with world-wide ramifications requires keen, able male assistant, 24/30, with previous experience of bulk sales. Excellent opportunity of permanent progressive position in rapidly expanding organisation. Pension scheme available. Please write, reference BSM, Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10. C 6263

SALES REPRESENTATIVE

for Greater London area required to offer well established brand of vacuum-ware through all distributive channels. Fully experienced applicant with live connections essential. Remuneration is by generous salary and commission. Write full details to Box C 6284.

UNQUALIFIED (male) process workers required by old-established firm of pharmaceutical manufacturers in South London. Five-day week. Apply giving age, experience and salary expected to Box C 6219.

THE ARMOUR LABORATORIES invite applications for vacancies on their Medical Representative Staff from ladies or gentlemen, age 25 to 35, for N.E. London and Essex and for Eastern Scotland. Representative experience would be welcomed, though it is not an essential qualification, as adequate training will be given. These appointments offer excellent prospects including contributory pension and group insurance schemes. Full details of age, education, and career to date, to: Sales Manager, The Armour Laboratories, Hampden Park, Eastbourne. C 6256

THE CROOKES LABORATORIES invite applications from young and ambitious men, preferably with a medical or pharmaceutical background, for the post of representative in Warwickshire. The position combines propaganda with salesmanship, entails calling on the medical and veterinary professions, hospitals and chemists, and is salaried and pensionable. Applicants should send the fullest possible details of themselves to the Sales Director, The Crookes Laboratories, Limited, Gorst Road, London, N.W.10. C 6229

WHOLESALE (OVERSEAS)

WEST AFRICA

OLD ESTABLISHED pharmaceutical house require Representative, aged 25-32, single, for periodical tours West Africa. Company's products have been known for many years to traders in Gold Coast and Nigeria where candidate would be required to travel. Position of interest and scope for man with flair for selling and keen to travel. Apply giving details of age, education and experience to Export Manager, Box C 6238.

AGENTS WANTED

AGENT required for East Midlands and Lincolnshire to handle nationally advertised cosmetics showing steady increase in turnover. Established connection with wholesale and retail chemists, etc. Generous commission. Reply in confidence to Box C 4440.

M.A.A.—The Badge of a good manufacturers' agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britain & Ireland (Inc.), Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied. C 4

SITUATIONS WANTED

RETAIL (HOME)

GENTLEMAN requires part-time post, dispenser, stock counter, anything pharmaceutical considered. London district essential. Write Box C 4443

WHOLESALE

A SALES EXECUTIVE, M.S.M.A., 54, over 20 years' experience with major companies as salesman, sales and marketing manager handling proprietary medicines and toiletries. Shortly disengaged due to a take over. Known to most buyers of note, lives in Middlesex and seeks an appointment where his extensive knowledge and experience can be used to mutual advantage. Would consider consultancy basis. Own car. Box C 4436.

REPRESENTATIVE. Pharmacist (28), seven years retail manager, keenly interested sales promotion, seeks post as representative with ethical house, Yorks territory preferred. Box C 4437.

REPRESENTATIVE, well established connection with wholesale and retail chemists, etc., Warwickshire, Worcestershire, Leicestershire, South Staffs, offers conscientious service to firm of repute. Agencies considered. Car owner. Box C 4401.

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EAST COAST SCOTLAND. Representative, regularly calling on retail chemists in this territory, for the past five years is open to represent an additional well-established house. Glass bottles, vacuum flasks, rubber goods, soaps and cosmetics, toilet rolls, tissues and sundries. Box C 6287.

WELL-ESTABLISHED wholesale manufacturing chemists based in Dublin, having excellent connections with wholesale and retail chemist trade, also hospitals throughout Eire, open to handle further agencies. Packing and storage facilities available. Box C 4418.

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Rhomada (Pvt.) Limited seek to acquire additional manufacturing contracts for their manufacturing laboratories in Salisbury, Southern Rhodesia.

Laboratories are equipped with modern machinery and are under the control of highly qualified and experienced staff, who can undertake the manufacture of a wide range of pharmaceutical products. Write Box C 6168.

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ALBRO LIQUID filler complete. Also Arden water-cooled lipstick injection mould 11 m.m. Must be in good condition. Send full details to Ellerby, 10 Pring Street, W.10. C 4453

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WANTED. Up to 20 tons sodium and potassium bi-chromate fine crystals. Up to 15 tons hydro sulphite powder. Box C 6285.

WANTED. Pine oil, wood oil and linseed Foots residues, Neatsfoot oils. Apply Box C 6270.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

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100 BAYS of brand new adjustable steel shelving, 72 in. high by 34 in. wide by 12 in. deep, stove-enamelled bronze green. Sent knocked down—6 shelf bay—£3 15s. Sample delivered free. Quantity discounts. N. C. Brown, Ltd., Eagle Steelworks, Heywood, Lancs. Telephone: 69018. C 6035

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FOR SALE: 2 Gardner Mixers recently dismantled, old type but in good working condition; also 1 Gardner Mixer in working order but requires repair to frame only. Steel shafting 22 ft., 2-in. diameter. Ball races, spares and brushes. Sold separately if desired. Any reasonable offer. Horner, 20 Regent Parade, Harrogate. C 4434

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MANESTY NO 2A Tablet Machine, in excellent condition. Can be seen in London. Box C 6260.

OFFERS WANTED for 36 lb. acid tannic, B.P., and 64 lb. acid tannic lev. In excellent condition. Please reply to the Group Secretary, Park Prewett Hospital, Basingstoke, Hants. C 6254

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MANESTY tableting machines for sale, including three 16 punch rotary tableters, model RB.3, two single punch tableters, models E & F, and one Carlton single punch, model 2B1 tableter. Very good condition throughout. Apply C. Skerman & Sons, Ltd., 118 Putney Bridge Road, London, S.W.15. Vandyke 2406. C 6269

TENDERS

SOUTH WEST METROPOLITAN HOSPITAL REGION
TENDERS FOR DRUGS

The South West Metropolitan Hospital Pharmacists Committee, on behalf of the participating Hospital Management Committees and Boards of Governors of Teaching Hospitals, invites tenders for the supply of drugs to various Hospitals in the Region and to certain Teaching Hospitals in London for a period of one year from JULY 1, 1957.

The items comprise general drugs and chemicals (including glycerin, liquid and soft paraffins, malt extract, methylated spirit and soft soap), hormone preparations, vitamin preparations, ointments, injections (including radiologicals), capsules and tablets.

Applications for tender forms should be made in writing to the Contracts Officer:—W. E. L. Jones, Esq., Supplies Department, St. Helier Group Hospital Management Committee, St. Helier Hospital, Carshalton, Surrey. Due date for return of tenders:—March 18, 1957.

W. S. BENJAMIN,
Secretary to the Committee.
C 6261

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EXPERIENCED industrial and pharmaceutical chemist, visiting New York, Washington, Chicago, April, willing to undertake business or personal mission. Walford, 27 Lancaster Gate, London, W.2. C 4439

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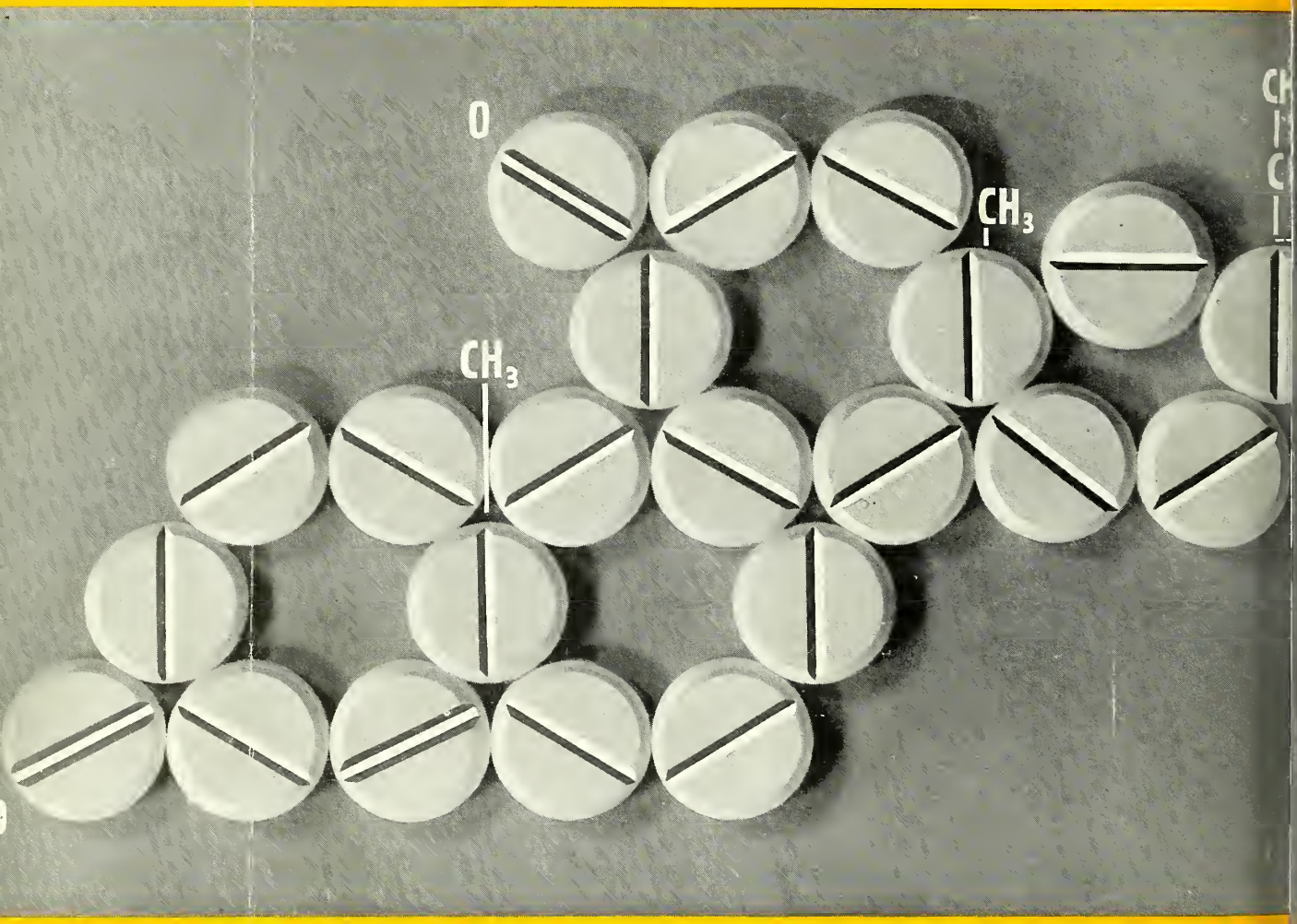

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